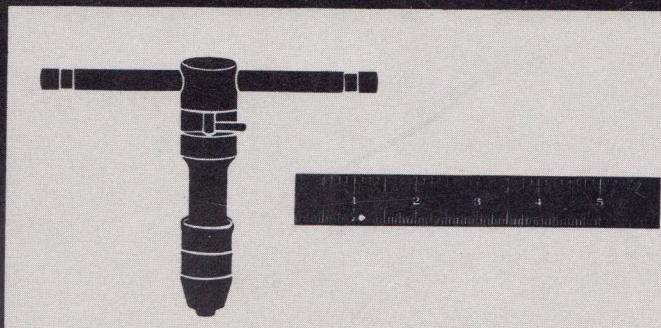


CATALOG NO. 69



GENERAL
TOOLS

®



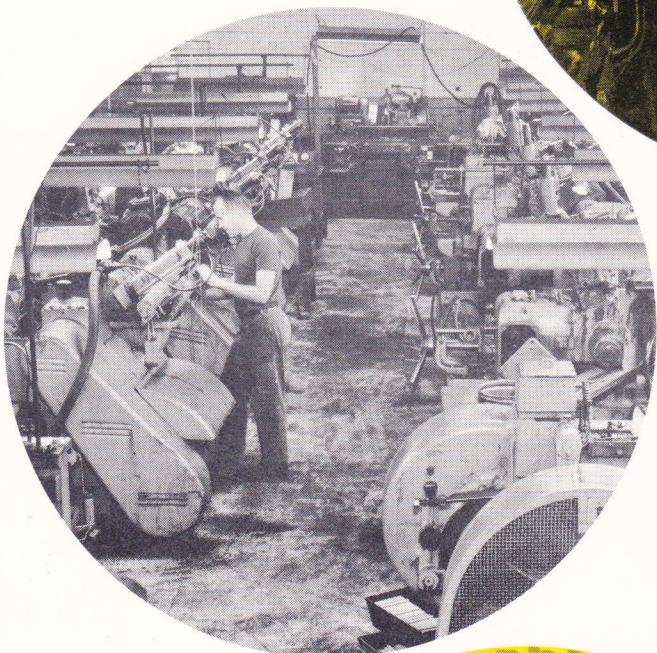
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

Modern machinery
produces GENERAL
quality tools

A partial view
of the automatic
centerless
grinding section



Quality control
and inspection
department



Small tool
assembly
department

GENERAL[®]
HARDWARE
MANUFACTURING CO., INC.
80 WHITE STREET
NEW YORK, N. Y. 10013
U.S.A.

ALPHABETICAL INDEX

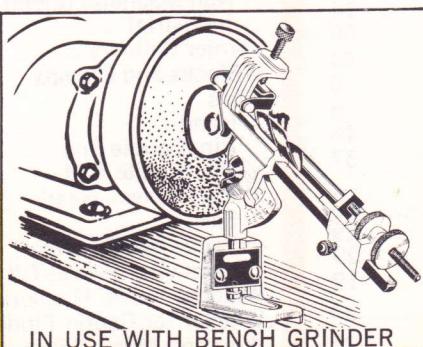
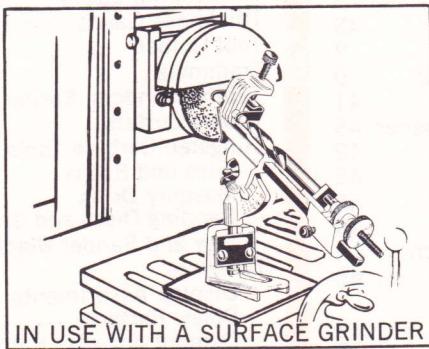
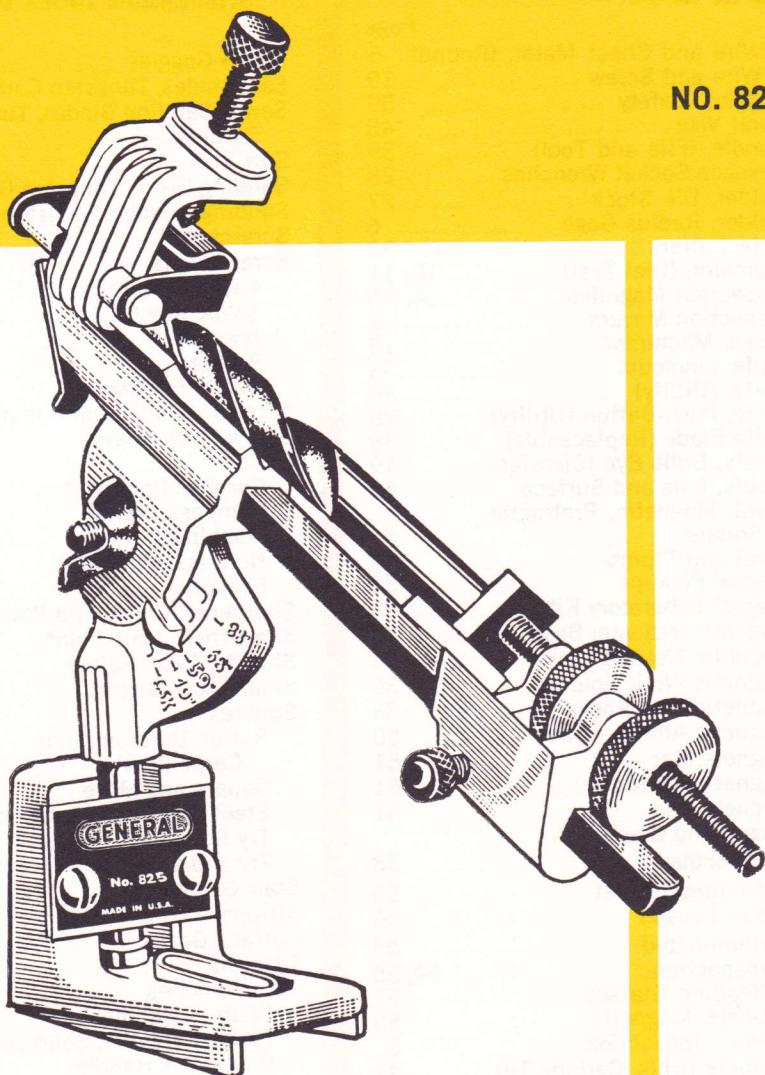
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NO. 825 DRILL GRINDING ATTACHMENT



- PRECISION BUILT
- FAST and ACCURATE SHARPENING
- POSITIVE ANGLE ADJUSTMENT
- FOR DRILLS $\frac{1}{8}$ " to $\frac{3}{4}$ "

Repointing twist drills by hand requires considerable skill and care on the part of the operator. Drill manufacturers recommend the use of drill sharpening devices in preference to hand grinding.

For over fifteen years thousands of industrial plants, machine shops, garages, vocational schools and homecraftsmen have found this General NO. 825 Drill Grinding Attachment, the next best thing to a new drill.

This attachment has the required skill and care designed and built into it so that drills can be repointed to factory accuracy, easily and quickly.

For repointing the following size drills:
 Fractional Sizes from $\frac{1}{8}$ " to $\frac{3}{4}$ "
 Number Sizes from #1 to #30
 Letter Sizes from A to Z
 Millimeter Sizes from 3.0 to 19.0

Positive Angle Adjustments:
 88° For thin sheets or hard materials
 68° For high production use with $\frac{1}{4}$ " and smaller drills
 59° For best average use
 49° For soft materials such as copper, etc.

A clearance angle of between 8 to 14 degrees, depending upon the diameter of drill, is automatically built into the drill grinder. For use with standard Electric Bench Grinders, or may be used with Surface Grinders.

Complete detailed instructions furnished with each attachment.

NO. 825 Individually boxed. Wt. 2 lbs.



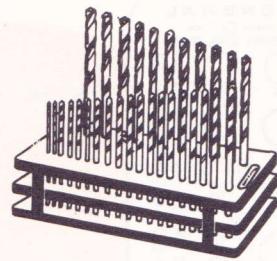
AUTOMATIC SELF-POSITIONING DRILL CASES

- OPENS and CLOSES INSTANTLY
- DRILLS AT YOUR FINGERTIPS
- EASY READING VISIBLE INDEX

Drills are instantly accessible — simply lift the cover and drills automatically come into position. Visibly indexed to permit easy reading and instant locating of desired drill. Close the case, and drills are fully protected in a strong compact unit. Drill Cases are made of heavy gage steel with baked enamel finish, with the exception of the No. 40 Drill Case which is made of aluminum.

MADE IN 5 SIZES

NO. 40 for 61 to 80 Drills	Weight 1 oz.
NO. 41 for 1 to 60 Drills	Weight 1 1/4 lbs.
NO. 42 for 1/16 to 1/4 Drills	Weight 3/4 lbs.
NO. 43 for 1/16 to 1/2 Drills	Weight 3 lbs.
NO. 45 for A to Z Drills	Weight 4 1/4 lbs. (Individually boxed)



DRILL STANDS

Mechanics and homecraftsmen prefer these moderately priced sturdy cold rolled steel drill stands. Ample space is allowed between drills for easy insertion and removal of drills. Large easy-reading numerals permit easy identification of drills. Sturdily constructed of 3 heavy gage plates with 5 supporting spacers. Black oxide finish with contrasting lettering. Size: 6" long x 2 1/4" wide x 1 3/8" high.

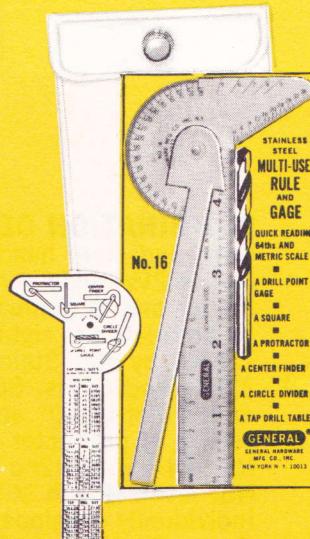
MADE IN THREE SIZES

NO. 51 for 1 to 60 Drills
 NO. 52 for 1/16 to 1/2" Drills
 NO. 53 for A to Z Drills (Alphabetical)
 Individually carded, 6 per carton. Weight 3 lbs.

NO. 16 MULTI-USE RULE AND GAGE

A popular pocket tool with many features that appeal to mechanics, homecraftsmen and all tool users.

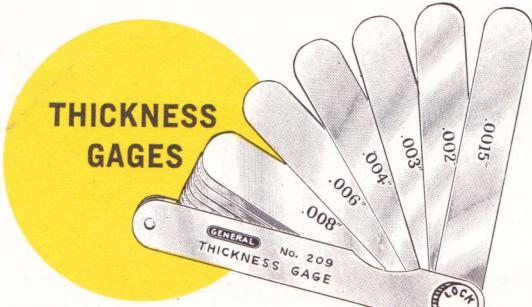
1. A 4" Quick Reading 32nds and Metric scale.
2. A Drill Point Gage for checking 59° angle drill points.
3. A Square



(Patented)

4. A Bevel Protractor for measuring and laying out of angles.
5. A Center Finder for locating centers of shafts or circles.
6. A Circle Divider — up to 9 equal parts; for dividing circles into sectors, regular polygons and polygrams.
7. A Tap Drill Table showing popular size taps with correct drill sizes for National Form of Thread.

Made of STAINLESS STEEL with Vinyl Plastic Case, and instructions. Packed, 6 to a box. Weight 10 ounces.



THICKNESS GAGES

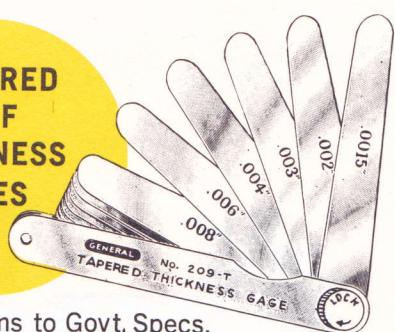
Conforms to Govt. Specs.
General Thickness Gages are made to close tolerances of the finest precision Swedish tempered steel. Blades have size numbers in thousands for easy identification. Polished case is notched for easy access, and is equipped with knurled locking nut. **NO. 209** with 9 leaves 3" long by 1/2" wide from .0015 to .015" thick containing the following sizes: .0015, .002, .003, .004, .006, .008, .010, .012 and .015 inches.

Individually boxed, weight 2 oz. 6 to a container, weight 3/4 lb.

NO. 226 with 26 leaves 3" long by 1/2" wide from .0015" to .025" containing the following sizes: .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, and .025 inches.

Individually boxed, weight 3 oz. 6 to a container, weight 1 1/4 lbs.

TAPERED LEAF THICKNESS GAGES



Conforms to Govt. Specs.

NO. 209-T with 9 Tapered Leaves 3" long, 1/2" wide tapering to a 1/4" round end. .0015" to .015" same sizes as No. 209. Individually boxed, weight 2 oz.

NO. 226-T with 26 Tapered Leaves 3" long, 1/2" wide tapering to 1/4" round end. .0015 to .025" same sizes as No. 226. Individually boxed, weight 3 oz.



NO. 258 SCREW PITCH GAGE

Handy low priced gage for checking threads and pitches of screws, bolts, nuts and fittings. 8 popular thread sizes.

NO. 258 Individually carded, Packed 12 to a box. Weight 1 lb.



Conforms to Govt. Specs.

stamped on reverse side. Made of heavy gage hardened steel, 3 1/4" diameter and 1/8" thick. Individually enveloped, 3 per box. Weight 3 lbs. per dozen.

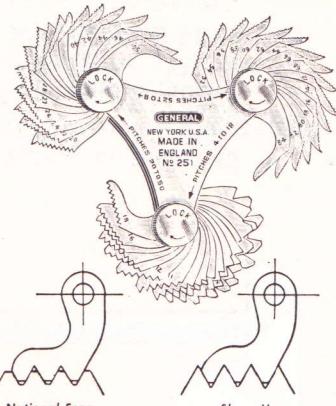


Conforms to Govt. Specs.

is stamped on reverse side. Made of heavy gage hardened steel, 3 1/4" diameter and 1/8" thick. Individually enveloped, 3 per box. Weight 3 lbs. per dozen.

NO. 251 SCREW PITCH GAGE

For gaging of V, American National, or U. S. Standard 60° threads. A precision made set of 51 screw pitches combining all sizes from 4 to 84, including 11 1/2 and 27 Pipe Thread sizes into a handy case.



Conforms to Govt. Specs.

Gages are of narrow design for measuring inside threads of small holes and nuts, as well as external threads. Each gage is numbered for identification, and arranged into three groups in a compact triangular case with knurled thumb nuts for locking in open or closed positions.

First Group: 4, 4 1/2, 5, 5 1/2, 6, 7, 8, 9, 10, 11, 11 1/2, 12, 13, 14, 15, 16, 18

Second Group: 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50

Third Group: 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84

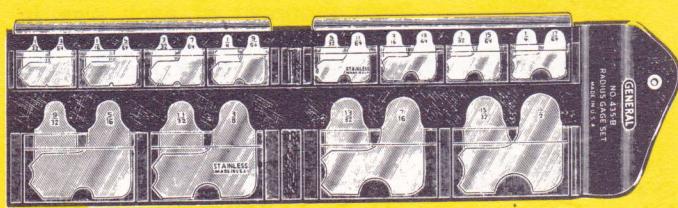
Individually boxed, weight 3 oz.



NO. 200 THICKNESS GAGE STOCK

Precision Swedish Steel to exact tolerances. Sizes are permanently etched. 12" long - 1/2" wide. Sizes: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .020. Individually enveloped, packed 1 doz. to a box.

RADIUS GAGES



STAINLESS STEEL RADIUS GAGE SETS

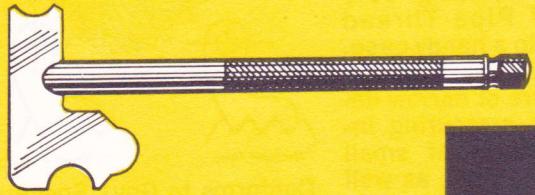
For Tool and Diemakers, Patternmakers, Machinists, Inspectors, and other mechanics. Each Radius or Fillet Gage is a complete unit in itself, having both Internal and External radii for easy application. Radius sizes are stamped on each gage. They are made in 24 sizes, and assembled in three different sets in heavy gage Vinyl Plastic Cases.

MADE IN 3 SIZE SETS

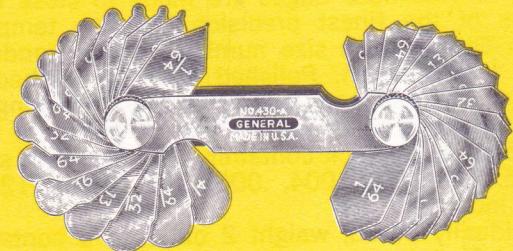
NO. S-435-A consists of 16 small gages, $\frac{1}{32}$ " to $\frac{17}{64}$ " by 64ths in Plastic Case. Wt. 5 ounces.

NO. S-435-B consists of 24 gages, 16 small ($\frac{1}{32}$ " to $\frac{17}{64}$ " by 64ths) and 8 large ($\frac{3}{32}$ " to $\frac{1}{2}$ " by 32nds) in Plastic Case. Wt. 12 ounces.

NO. S-435-C consists of 8 large gages, $\frac{3}{32}$ " to $\frac{1}{2}$ " by 32nds in Plastic Case. Wt. 8 ounces.

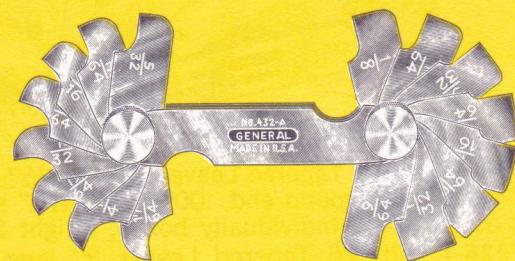
NO. 436
RADIUS GAGE HOLDER

4 $\frac{1}{2}$ inch long holder permits use of gages in hard to get at places. Knurled locking device securely holds blades in either 30° or 45° position. Packed individually. Wt. 2 ounces.



NO. 430-A RADIUS AND FILLET GAGE

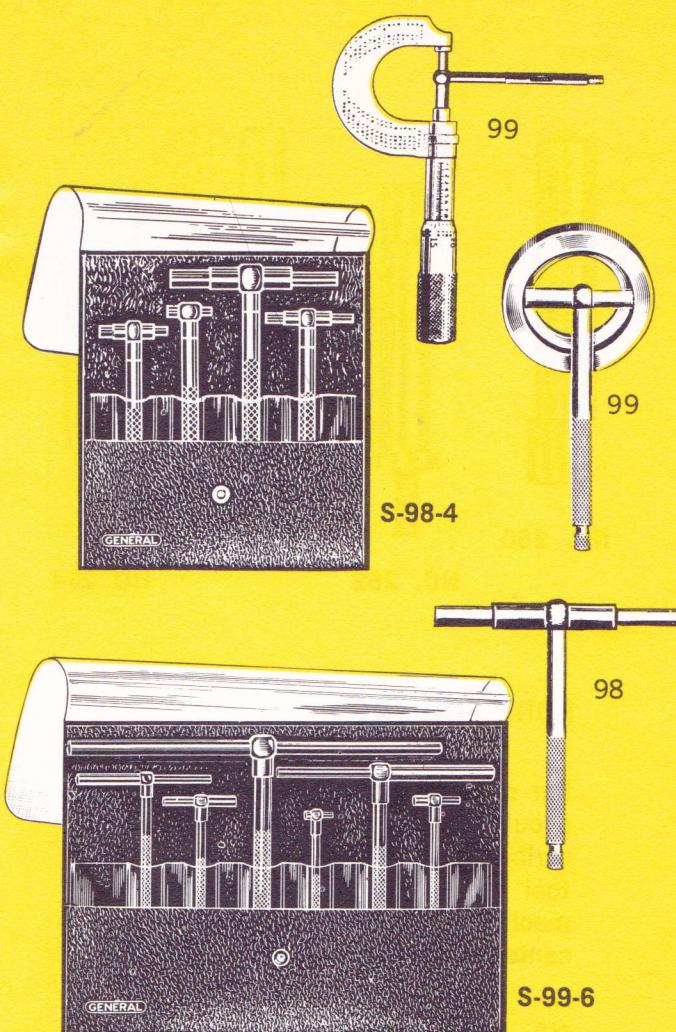
For checking internal and external radii of tools, patterns, dies, etc. Has 34 gages, $\frac{1}{64}$ " to $\frac{17}{64}$ " by 64ths. In plastic tube. Wt. 3 ounces



NO. 432-A RADIUS AND FILLET GAGE

Used in determining radius of inside fillets or corners. Has 16 gages, $\frac{1}{32}$ " to $\frac{17}{64}$ " by 64ths. In plastic tube. Wt. 1 $\frac{1}{2}$ ounces.





NO. 98 TELESCOPING GAGES

Automatic self-centering handles. Both contact plungers telescope within each other for rigid positive seat.

NO. 99 TELESCOPING GAGES

Telescoping Gages permit quick and accurate inside measurement of holes and slots. The measurement is then taken with an outside Micrometer, as illustrated.

Both gaging ends of heads are heat-treated and ground to a radius for measuring the smallest hole the gage will enter.

MADE IN 6 SIZES

NO. 98-AA	NO. 99-AA	5/16" to 1/2" range
NO. 98-A	NO. 99-A	1/2" to 3/4" range
NO. 98-B	NO. 99-B	3/4" to 1 1/4" range
NO. 98-C	NO. 99-C	1 1/4" to 2 1/8" range
NO. 98-D	NO. 99-D	2 1/8" to 3 1/2" range
NO. 98-E	NO. 99-E	3 1/2" to 6" range

May be purchased singly or in sets

NO. S-98-6 | NO. S-99-6 Complete set of 6 sizes in snap-button vinyl case. Wt. 9 oz.

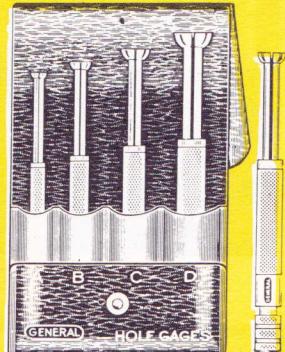
NO. S-98-4 | NO. S-99-4 Set of 4 sizes, AA, A, B, & C in snap-button vinyl case. Wt. 4 oz.

NO. S-98-3 | NO. S-99-3 Set of 3 sizes, A, B, & C in snap-button vinyl case. Wt. 3 oz.

NO. S-96 SMALL HOLE GAGES

(Half Ball — Flat Bottom)

For measuring inside diameters or widths of small shallow holes for slots (similar to No. S-97 Hole Gages). Half-Ball construction permits use not accessible with regular gages. Simply insert half-ball into slot or hole, lock into position, remove and take micrometer measurement.



NO. S-96

Set of 4 sizes in Vinyl Plastic Case. Weight 4 oz.

NO. 96-A 1/8 to 2/10 inch (.125 to .200) range

NO. 96-B 2/10 to 3/10 inch (.200 to .300) range

NO. 96-C 3/10 to 4/10 inch (.300 to .400) range

NO. 96-D 4/10 to 1/2 inch (.400 to .500) range

May be purchased singly or in sets.

NO. S-97 SMALL HOLE GAGES

(Full Ball)

4 Sizes — Range 1/8" to 1/2". For measuring inside diameters or widths of small holes and slots. A companion set to the General Telescoping Gages. Insert ball head into hole or groove — release locking nut, — and relock — then remove and take measurement with micrometer.

NO. S-97

Set of 4 sizes in Vinyl Plastic Case. Weight 4 oz.

NO. 97-A 1/8 to 2/10 inch (.125 to .200) range

NO. 97-B 2/10 to 3/10 inch (.200 to .300) range

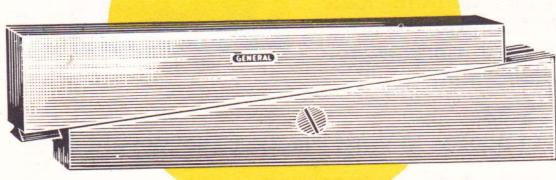
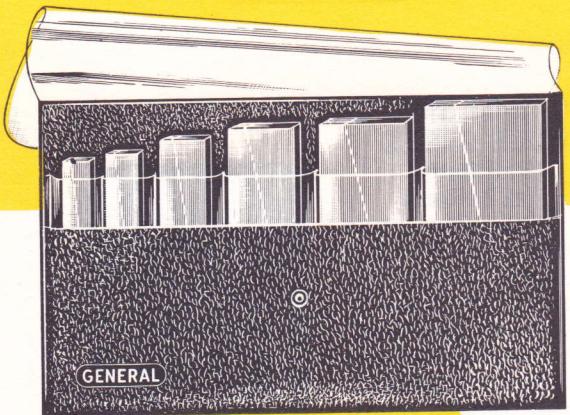
NO. 97-C 3/10 to 4/10 inch (.300 to .400) range

NO. 97-D 4/10 to 1/2 inch (.400 to .500) range

May be purchased singly or in sets.

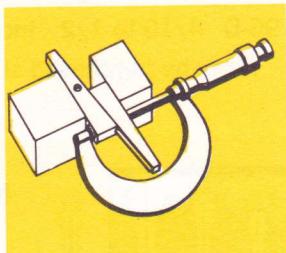
GENERAL HARDWARE
MANUFACTURING CO. INC.

NEW YORK, N. Y. 10013, U.S.A.



NO. 112 ADJUSTABLE PARALLELS

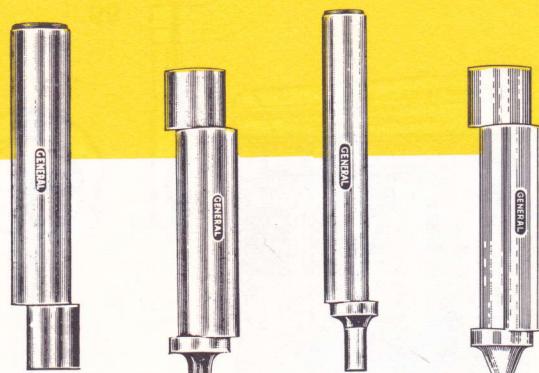
General Adjustable Parallels are used in gaging, layouts, inspections, and set-ups by machinists and toolmakers. Also used for leveling and adjusting work on various machine tools, and for other applications. They are quickly adjustable and locked with set-screws for micrometer measurement. May be purchased in Sets, or in individual Sizes.



NO. S-112-4 Set of 4 Parallels, range $\frac{3}{8}$ " to $1\frac{5}{16}$ ". Set consists of one each A, B, C and D in Vinyl Plastic Case. Wt. $\frac{3}{4}$ lb.

NO. S-112-6 Complete Set of 6 with range $\frac{3}{8}$ " to $2\frac{1}{4}$ ". Set consists of one each A, B, C, D, E and F in Vinyl Plastic Case. Weight $1\frac{1}{4}$ lbs.

No.	Capacity Range	Length	Thickness
112-A	$\frac{3}{8}$ to $\frac{1}{2}$ "	$1\frac{3}{4}$ "	$\frac{9}{32}$ "
112-B	$\frac{1}{2}$ to $1\frac{1}{16}$ "	$2\frac{1}{8}$ "	$\frac{9}{32}$ "
112-C	$1\frac{1}{16}$ to $1\frac{5}{16}$ "	$2\frac{11}{16}$ "	$\frac{9}{32}$ "
112-D	$1\frac{5}{16}$ to $1\frac{15}{16}$ "	$3\frac{9}{16}$ "	$\frac{9}{32}$ "
112-E	$1\frac{15}{16}$ to $1\frac{3}{4}$ "	$4\frac{3}{16}$ "	$\frac{9}{32}$ "
112-F	$1\frac{3}{4}$ to $2\frac{1}{4}$ "	$5\frac{1}{16}$ "	$\frac{9}{32}$ "



NO. 260

NO. 262

NO. 263

NO. 264

EDGE FINDERS

For quickly locating working edges, shoulders, grooves, center points and scribed lines. A time saving positioning tool for Jig Borers, Milling and other machines. All parts are hardened and centerless ground to precision tolerance.

NO. 260

Single $\frac{1}{2}$ " dia. Shank (.5000") Head

NO. 262

Double Head (.5000" and .2000")

NO. 263

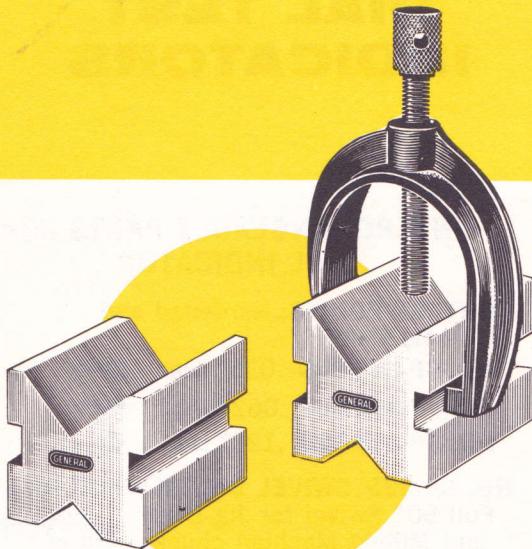
Single $\frac{3}{8}$ " dia. Shank (.2000") Head

NO. 264

Double Head $\frac{1}{2}$ " dia. body with Point (.5000" with Point and .2000")

Packed in Individual Plastic Tubes
Weight 2 ounces.

GENERAL®



NO. 116 V-BLOCKS AND CLAMP

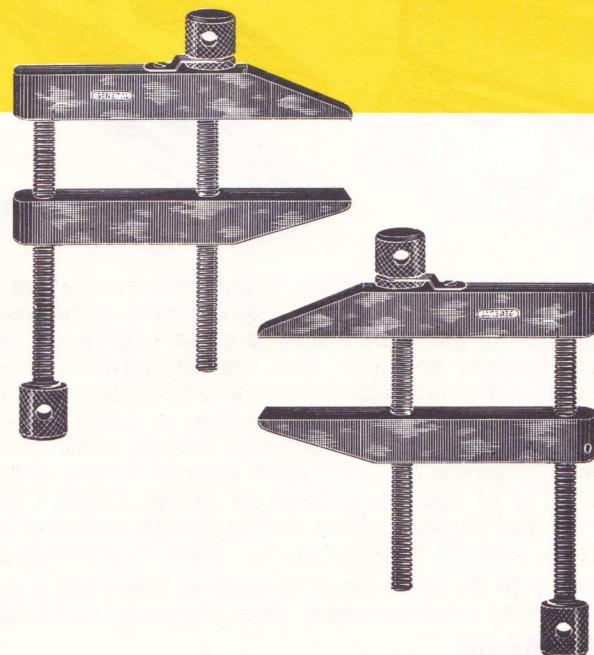
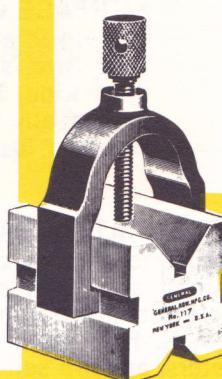
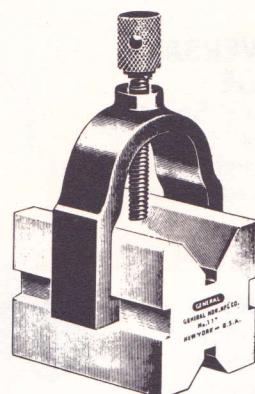
A moderately priced, well made set of V-Blocks and Clamp designed for all-around machinist's use, such as drilling, grinding, milling, etc. These V-Blocks are machined from cast iron (not hardened), and are equipped with a single adjustable clamp. Each block is approximately 1½" square and 2" long, having a clamping capacity of about 1½" diameter.

No. 116 Set consists of 2 Blocks and 1 Clamp. Sold only in sets. Packed one pair of blocks and clamp to a box. Weight 2 lbs.

NO. 117 V-BLOCKS AND CLAMPS

A precision made set of V-Blocks for machinists' use such as drilling, grinding, etc. These V-Blocks are made of hardened tool steel, machined and ground in pairs to close matching tolerances, and come with two malleable iron clamps. Each block is approximately 1¼" square and 1½" long and has a clamping capacity of about 1" in diameter.

No. 117 Set consists of 2 blocks and 2 clamps. Sold only in sets. Packed one pair of blocks and clamps to box. Weight 1½ lbs.



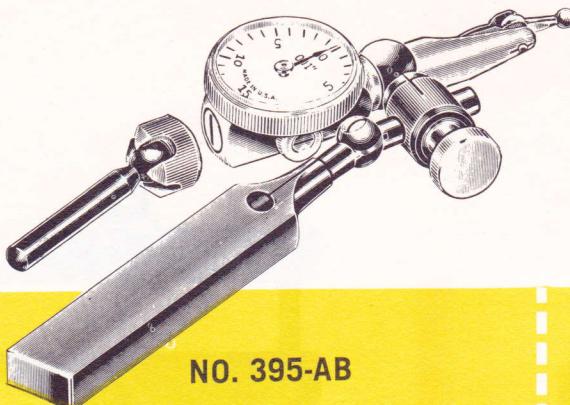
NO. 118 PARALLEL CLAMPS Toolmakers Pattern

General Parallel Clamps are made of special hardened steel and designed to give utmost performance. They are particularly desirable for holding or clamping small work together when drilling, tapping, welding, assembling, etc. Clamps are equipped with spring screw clip. Conforms to Govt. Specs.

MADE IN FOUR SIZES

	Jaw Opening	Jaw Length	Weight
NO. 118-A	1¼"	2"	3 oz.
NO. 118-B	1¾"	2½"	5 oz.
NO. 118-C	2¼"	3"	9 oz.
NO. 118-D	2¾"	4"	1 lb.

Individually boxed.

GENERAL®**NO. 395-AB**

General Test Indicators are engineered and tested to include the most desired features and requirements of toolmakers and machinists. All parts are made to close tolerances. Jewelled movement assures sensitive, free moving action and long life. Easy reading dial rotates completely and has black graduations against a white background for clarity. Dial is made of metal and has a tempered flat glass to withstand shocks, and to eliminate reflections. Finger-tip reversing knob permits simple and instantaneous reversing of indicating hand or arrow. Contact points are hardened and chrome plated, and are easily fastened in their friction ratchet seat. To change points, spring clip swings open.

Made with all parts interchangeable. Each set is packed in a leatherette covered metal case. (Formerly NORK Pattern)

NO. 395-AB

Consists of Dial Indicator, Universal Shank with flexible arm, full swivel chuck attachment, body clamp and a .120" Contact Point, in a Leatherette covered metal case.

READING: 0-15-0 RANGE: .030"
GRADUATED: .001" DIAL: 1" Dia.

DIAL TEST INDICATORS**INTERCHANGEABLE PARTS FOR DIAL INDICATOR**

CONTACT POINTS: Hardened and Chrome Plated

NO. CP-395-035 .035" Dia.



NO. CP-395-062 .062" Dia.



NO. CP-395-120 .120" Dia.

**NO. SC-395 SWIVEL CHUCK ATTACHMENT**

Full 90° Swivel for Jig Borer and Milling Machine chucks.

**NO. FA-395 FLEXIBLE ARM:**

For use with universal shank and body clamp.

**NO. BC-395 BODY CLAMP:**

Clamping attachment for indicator.

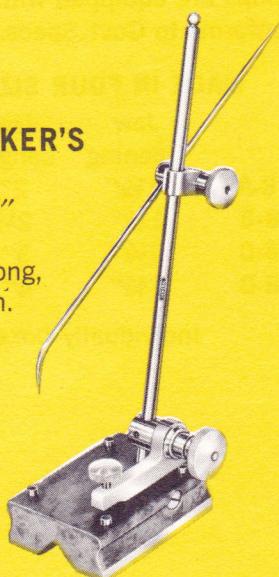
**NO. US-395 UNIVERSAL SHANK:**

For height gages, lathes, etc.

**NO. 398
SMALL TOOLMAKER'S
SURFACE GAGE**

with both 4" and 7" Spindles.

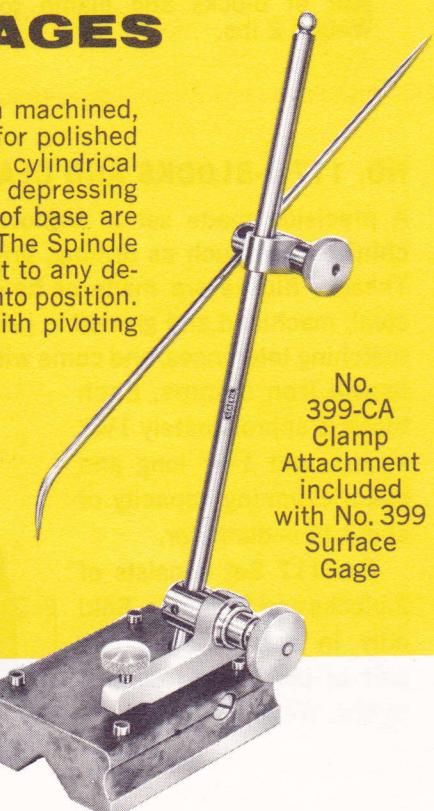
Base size is 2 1/8" long, 1 15/16" wide, 3/4" high. Individually boxed. Weight 1/2 lb.

**SURFACE GAGES**

Hardened steel base is precision machined, with mottled blue finish, except for polished surfaces. Bottom is grooved for cylindrical work, and front end recessed for depressing spindle below base level. Sides of base are shaped for convenient handling. The Spindle Arm and Scriber Point may be set to any desired angle and securely locked into position. Final fine adjustment is made with pivoting tension screw.

**NO. 399 UNIVERSAL
SURFACE GAGE**

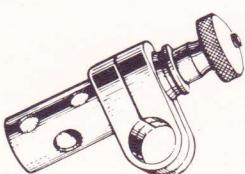
has both 9" and 12" Spindles. Base Size is 3 1/4" long, 2 1/2" wide, 1" high. Individually boxed. Weight 2 lbs.



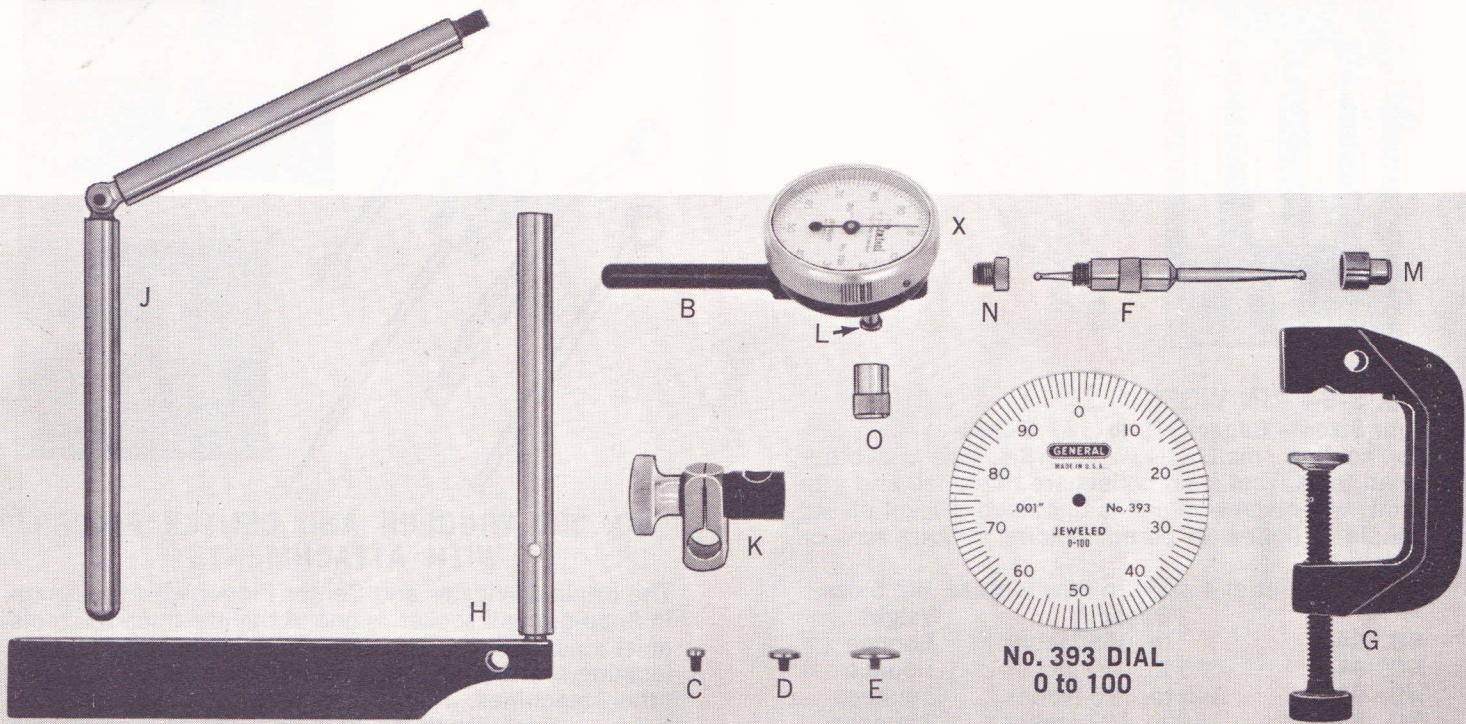
No.
399-CA
Clamp
Attachment
included
with No. 399
Surface
Gage

NO. 399-CA CLAMP ATTACHMENT

This clamp is designed for holding dial indicators, scribes, small and large diameter rods, etc. Exclusive three-hole design covers all standard diameters. Hole sizes are 5/32", 1/4" and 3/16" diameters, and are self-aligning for quick insertion.



GENERAL[®] UNIVERSAL DIAL TEST INDICATORS



General Universal Dial Test Indicators are precision made and equipped with jeweled bearings for use where utmost accuracy is needed. Indicators, complete with attachments are packed in a solid fitted wooden case.

The 1½" dial is graduated in increments of .001" and is easily adjusted by just turning the bezel or knurled face ring, so that the Zero "0" is in the desired position. For determining concentricity, alignment, out-of-round, end play, and other conditions.

To obtain a right and left of Zero "0" Reading, showing a Rise or Fall variation in the work being tested, place Contact Point against work with just enough pressure to move the Dial Hand **one full turn**; then set to ZERO

which will show the variation of rise or drop as the work is moved.

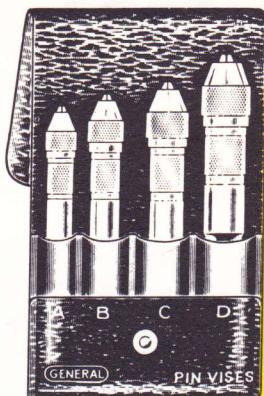
The Dial Indicator set has 3 Contact Points; a 12" Sectional Rod for holding the indicator; Hole Attachment for checking of bores, countersinks, etc.; a 5" Tool Post for lathe work; a C-Clamp for flat or round work; a Sleeve or Rod Connector; a Spindle Safety Collar, and a contact point Cap. When using Hole Attachment, remove rear "Dust Cap or Plug" (N). For ease of insertion attach self-centering Guide Bushing (M) over the Hole Attachment (F). Insert the small shaft into rear of Indicator and push Contact Point slightly until Hole Attachment (F) Shaft enters the hole in Contact Point Spindle (not visible from outside). Then remove Guide Bushing (M) and tighten Hole Attachment (F) before using.

No. 393	No. 394	UNIVERSAL DIAL TEST INDICATORS
0 to 100 Dial	0-50-0 Dial	Description of attachments
No. S-393	No. S-394	Complete set with attachments in fitted wood case
No. 393-B	No. 394-B	Indicator only with 3 Contact Points, 1/8, 5/16 and 1/2"
No. 393-C	No. 394-C	1/8" diameter Contact Point only
No. 393-D	No. 394-D	5/16" diameter Contact Point only
No. 393-E	No. 394-E	1/2" diameter Contact Point only
No. 393-F	No. 394-F	Hole Attachment
No. 393-G	No. 394-G	Clamp, 1 1/4" capacity, Flat or Round
No. 393-H	No. 394-H	Tool Post Holder Attachment with Upright Spindle (3/8 x 3/4 x 6")
No. 393-J	No. 394-J	12 inch Adjustable Rod (5/16" dia.)
No. 393-K	No. 394-K	Sleeve Attachment, 1/4 and 5/16" holes
No. 393-M	No. 394-M	Centering Guide for Hole Attachment
No. 393-N	No. 394-N	Dust Cap or Plug
No. 393-O	No. 394-O	Friction Safety Collar for Contact Point Spindle

WEIGHTS: Complete set in wood case 2 1/4 lbs.
Individual indicators 4 oz.



GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.



NO. S-94 PIN VISES

Four Sizes — Capacity .0 to .187 inches

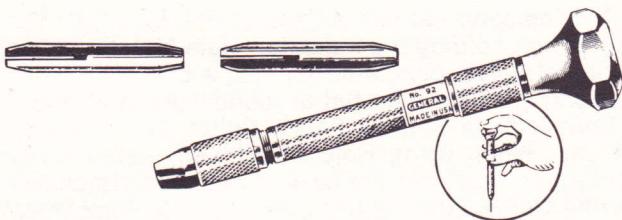
For holding small rods, wire, drills, taps and other small tools. Tool steel collets are hardened and grip firmly when screw chuck is tightened. Nickel plated handle is hollow to permit holding of long rods or wire.

NO. S-94 Set of 4 sizes in Plastic Case. Wt. 5 ozs.

Capacity Weight

NO. 94-A	.0 to .055 inches	1 ounce
NO. 94-B	.025 to .075 inches	1 ounce
NO. 94-C	.045 to .125 inches	2 ounces
NO. 94-D	.110 to .187 inches	2 ounces

Individual sizes, 6 to a box



NO. 92 HAND DRILL AND PIN VISE WITH SWIVEL HEAD

A handy tool having 2 double-end reversible collets for holding small drills, taps, wire, etc. from smallest size up to $\frac{1}{8}$ inch in diameter, or 3.2 millimeters. An exceptional Pin Vise for delicate work on models, instruments and jewelry for both craftsmen and hobbyists. Has a large free-wheeling swivel head. Collets are made of hardened tool steel. Body diameter $\frac{5}{16}$ ". Length 4 inches. Capacity .0 to .125".

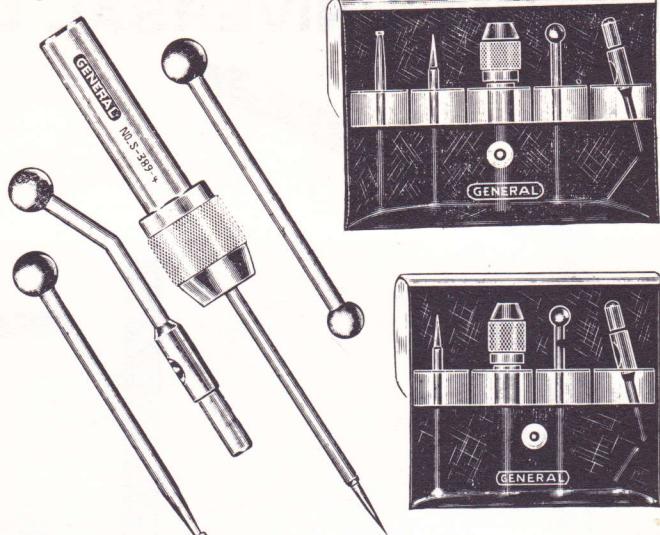
NO. 92 Individually carded, packed 6 to a box. Weight 1 lb.

NO. 90 REVERSIBLE COLLET PIN VISES

Each end has a double-end collet which may be reversed for desired size for holding small drills, taps, wire, rods, etc. Nickel plated body is made of tubing to permit the use of long wire or rods. Body diameter $\frac{5}{16}$ ". Length 4 inches. Capacity .0 to .125".

NO. 90 Individually packed 6 to a box. Weight 8 ounces.

GENERAL®



NO. 389 WIGGLER AND CENTER FINDER WITH ATTACHMENTS

The original Wiggler and Center Finder with the Snap-in Snap-out ball socket, is one of the most popular tools of its kind. Used for accurately locating spindle centers, locating of working points on drill presses, milling and other machines. Points are easy to interchange in holder — just "snap-in" ball end into the adjustable spring tension clutch.

NEEDLE POINT SHAFT has distinct advantage of having Needle-Sharp replacement points, same as used on Needle-Point Scribes and Dividers.

BALL CONTACT POINT has a diameter of .250 inch, and is useful in locating work in holes, slots, shoulders, etc.

DISC CONTACT POINT has a diameter of .100 inch, and is used in small openings.

OFFSET INDICATOR HOLDER for holding Dial Test Indicators, for checking surface runouts, holes, and other machining operations.

NO. 389-4 WIGGLER SET with Needle Point, Ball Point, Disc Point and Indicator Holder in snap-button Vinyl Case. Packed 1 set to a box. Weight 4 ounces

NO. 389-3 WIGGLER SET with Needle Point, Ball Point, and Indicator Holder in Vinyl Case. Packed 1 set to a box. Weight 3 ounces

REPLACEMENT POINTS

389-NPS Needle-Point Shaft **84-P** Needle Points

389-IH Offset Indicator Holder

389-DC Disc Contact Point

389-BC Ball Contact Point



NO. 89 WIGGLER AND CENTER FINDER

Similar to No. 389, EXCEPT that it has a screw-in type chuck and needle-point shaft. Shaft can be reversed in chuck and body when not in use.

NO. 89 Individually packed, 3 to a box. Weight 6 ounces.

GENERAL® MAGNETIC BASE HOLDERS

FOR DIAL INDICATORS, INSPECTION MAGNIFIERS, MIRRORS, SPOTLIGHTS,
OIL AND AIR SPRAYS, SAFETY SHIELDS, etc.

NO. 388

A powerful permanent alnico magnetic base that easily attaches to any steel or iron surface in any desirable or convenient position, eliminating the use of clamps.

The adjustable post assembly swivels into a 40° desired position and has a fine adjusting screw for final setting. Although intended primarily for dial indicators, it is just as handy for inspection magnifiers, mirrors, safety shields, oil sprays, air lines, etc.

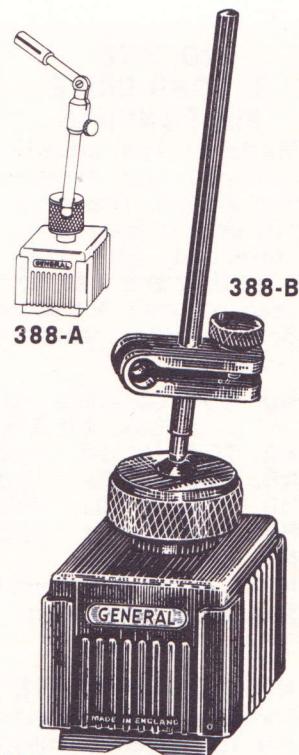
Base size: 1 1/4" x 1 1/4" x 2 1/2" high

NO. 388-A with approx. 5 1/4" Fine pivot adjustment post

NO. 388-B with approx. 5 1/4" Fine spring adjustment post

Packed 1 to a box. Weight 16 oz.

HAS A PULL OF 55 TO 65 LBS.



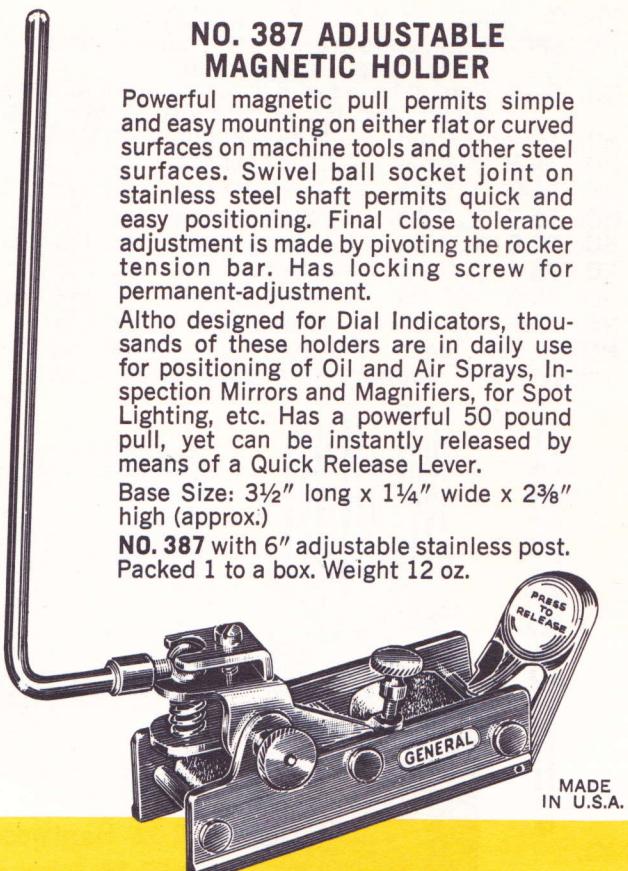
NO. 387 ADJUSTABLE MAGNETIC HOLDER

Powerful magnetic pull permits simple and easy mounting on either flat or curved surfaces on machine tools and other steel surfaces. Swivel ball socket joint on stainless steel shaft permits quick and easy positioning. Final close tolerance adjustment is made by pivoting the rocker tension bar. Has locking screw for permanent-adjustment.

Altho designed for Dial Indicators, thousands of these holders are in daily use for positioning of Oil and Air Sprays, Inspection Mirrors and Magnifiers, for Spot Lighting, etc. Has a powerful 50 pound pull, yet can be instantly released by means of a Quick Release Lever.

Base Size: 3 1/2" long x 1 1/4" wide x 2 3/8" high (approx.)

NO. 387 with 6" adjustable stainless post. Packed 1 to a box. Weight 12 oz.



NO. 392 MAGNETIC BASE INDICATOR HOLDER

A powerful magnetic base with adjustable Ball-Joint Swivel which can be securely locked in any position. Has fine adjustment screw for close tolerance setting, and quick release lever for easy removal. Has many possible uses in addition to Indicator holding, such as Inspection Mirrors and Magnifiers, Oil and Air Sprays, Spot Lights, etc.

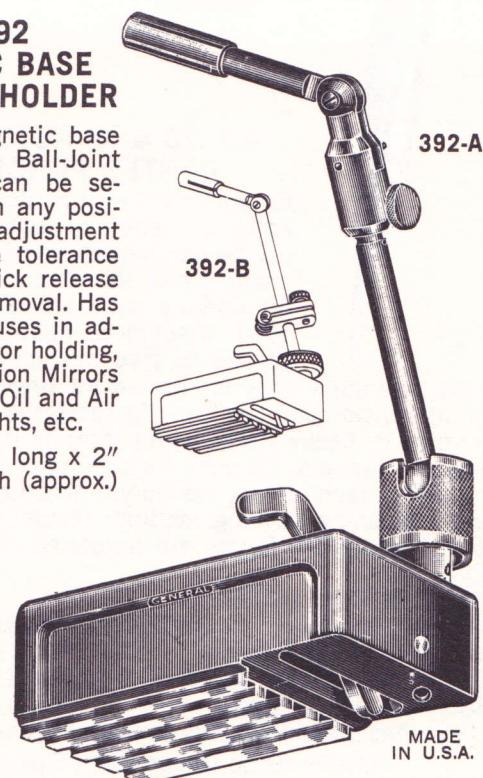
Base Size: 3 1/2" long x 2" wide x 2 3/8" high (approx.)

NO. 392-A with approx. 5 1/4" Fine pivot adjustment post

NO. 392-B with approx. 5 1/4" Fine spring adjustment post

Packed 1 to a box. Weight 20 oz.

HAS A PULL OF OVER 50 LBS.



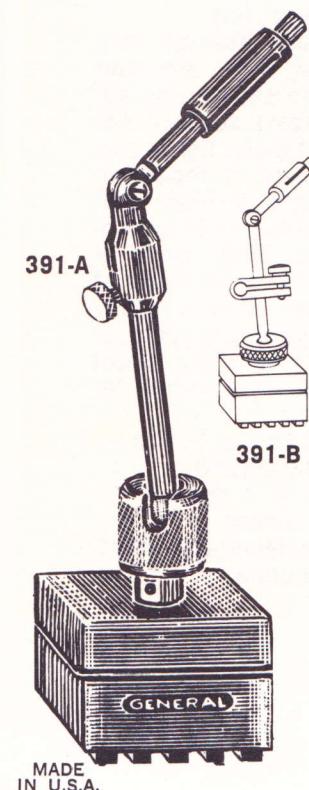
NO. 391 MAGNETIC BASE HOLDER

Altho designed for positioning of Dial Indicators, they have many other uses around the shop, toolroom and laboratory. Ball and Socket Joint permits easy positioning of split-joint posts, which can be securely locked by tightening knurled nut. Can be adapted for positioning of Inspection Mirrors, Magnifiers, Spot Lights, Air and Oil Spray Lines, etc. with fine adjustment screw.

Base Size: 1 1/4" long x 1 1/4" wide x 2 1/2" high (approx.)

NO. 391-A with approx. 5 1/4" Fine pivot adjustment post

NO. 391-B with approx. 5 1/4" Fine spring adjustment post Packed 1 to a box. Weight 12 oz.



HAS A PULL OF 50 LBS.



NO. 78 & 79 AUTOMATIC CENTER PUNCHES

Exceptionally well made and adopted by Industry and Government for use by machinists, servicemen, mechanics and others for many years. All working parts are made of tool steel, machined, heat-treated and ground to give maximum performance. The steel body is knurled for finger grip. The spring tension cap can be adjusted for desired light, medium or heavy stroke when spotting metals, plastics, etc. Can also be used for staking of rivets, nuts, etc. After each stroke, the punch automatically sets and releases a striking medium resulting in a uniform impression. Points are hardened and replaceable.

MADE IN TWO SIZES

NO. 79 Punch, $\frac{1}{2}$ " dia. by 5" long. Wt. 3 oz.
NO. 79-P Extra Points Wt. 1 oz. per doz.
NO. 78 Punch, $\frac{5}{8}$ " dia. by 6" long. Wt. 5 oz.
NO. 78-P Extra Points Wt. 2 oz. per doz.

Punches are individually packed in Plastic Tubes.

Conforms to Government Specs.

NO. 77 AUTOMATIC CENTER PUNCH

(Aluminum Body) (Pat. Appl. for)

New improved design assures long dependable service with minimum wear. Spring tension cap can be adjusted for light or heavy strokes. Has smooth, uniform pressure. Especially desired when frequent or repetitive punching or riveting is desired. Ideal for inspection symbols, eyelet or connector riveting, etc. Body made of aluminum. All moving parts made of hardened tool steel. Points easily removed for resharpening or replacement. Size 5" long x $\frac{5}{8}$ " dia.. Weight 2 ounces. Individually carded for Peg-Board or counter.

NO. 77 Automatic Center Punch
 Individually carded.
 Packed 3 to a box.
 Weight 9 ounces.

NO. 77-P Extra replacement point.
 Weight 1 ounce.



GENERAL HARDWARE MANUFACTURING CO. INC.
 NEW YORK, N. Y. 10013, U.S.A.



NO. S-76 8" LONG DRIVE PIN PUNCHES

Made of tool steel, hardened and centerless ground. The drive pin sections are approximately 3 $\frac{1}{2}$ " long enabling them to be used on work not accessible with short punches. Body is approximately 4 $\frac{1}{2}$ " long and knurled for finger grip.

NO. S-76 Complete set of 5 punches in Plastic Case. Wt. 1 $\frac{1}{2}$ lbs.

NO. 76-A $\frac{1}{8}$ " dia. 1/2 doz. per box Wt. 1 $\frac{1}{4}$ lbs.
NO. 76-B $\frac{3}{16}$ " dia. 1/2 doz. per box Wt. 1 $\frac{1}{2}$ lbs.
NO. 76-C $\frac{1}{4}$ " dia. 1/2 doz. per box Wt. 1 $\frac{5}{8}$ lbs.
NO. 76-D $\frac{5}{16}$ " dia. 1/2 doz. per box Wt. 1 $\frac{3}{4}$ lbs.
NO. 76-E $\frac{3}{8}$ " dia. 1/2 doz. per box Wt. 2 $\frac{1}{2}$ lbs.

NOTE: Punch diameters are approx. .005" undersize from actual size shown.

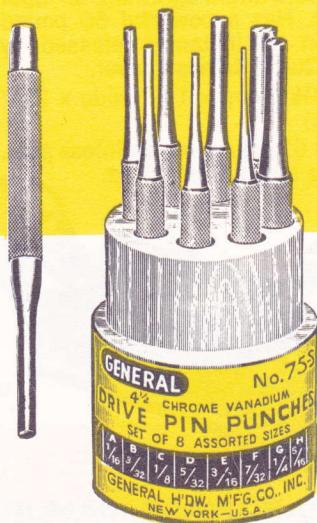
NO. S-75 DRIVE PIN PUNCHES

Toolmakers, machinists and mechanics prefer these fine Tool Steel Punches which are centerless ground and heat-treated for strength and toughness. Punches are 4 inches long and have knurled bodies. Punches are stamped with size, and ends are ground square. MADE IN 8 SIZES — Length 4".

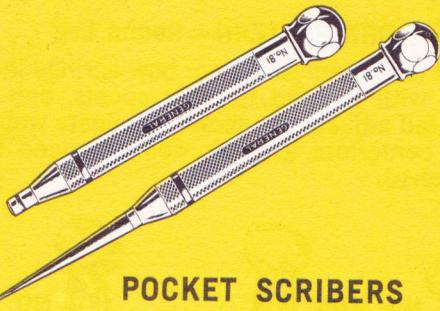
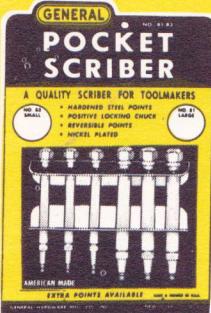
NO. SPC-75 Complete 8 piece set in snap-button vinyl case. Weight 1 lb.

NO. S-75 Complete Set of 8 assorted sizes in Hardwood Case (as illustrated) Weight 1 lb.
NO. 75-A $\frac{1}{16}$ " dia. 1 dozen per box Wt. 9 oz.
NO. 75-B $\frac{3}{32}$ " dia. 1 dozen per box Wt. 10 oz.
NO. 75-C $\frac{1}{8}$ " dia. 1 dozen per box Wt. 14 oz.
NO. 75-D $\frac{5}{32}$ " dia. 1 dozen per box Wt. 15 oz.
NO. 75-E $\frac{3}{16}$ " dia. 1 dozen per box Wt. 1 $\frac{1}{4}$ lbs.
NO. 75-F $\frac{7}{32}$ " dia. 1 dozen per box Wt. 1 $\frac{1}{4}$ lbs.
NO. 75-G $\frac{1}{4}$ " dia. 1 dozen per box Wt. 1 $\frac{1}{4}$ lbs.
NO. 75-H $\frac{5}{16}$ " dia. 1/2 dozen per box Wt. 1 $\frac{3}{8}$ lbs.

NOTE: All punch diameters are made approximately .005" undersize from actual sizes shown.



NO. S-75 Hardwood case
NO. SPC-75 Vinyl case



POCKET SCRIBERS

For toolmakers, sheet metal workers, patternmakers, homecraftsmen, and other mechanics. Sturdy knurled and nickel plated steel body with hexagon head. Scriber points are made of best quality Needle Steel, and may be reversed into screw chuck for protection.

MADE IN 2 SIZES

NO. 81 (large) $\frac{3}{8}$ " dia. body, blade length $2\frac{7}{8}$ ", overall length $5\frac{3}{4}$ ". Packed 1 dozen per box. Weight $1\frac{1}{4}$ lbs.

NO. 83 (small) $\frac{1}{4}$ " dia. body, blade length $2\frac{3}{8}$ ", overall length $4\frac{3}{4}$ ". Packed 1 dozen per box. Weight $\frac{1}{2}$ lb.

NO. AS-81-83 Display Assortment, 3 each Nos. 81 and 83 to a card. Weight 10 oz.

REPLACEMENT POINTS

NO. 81-P Packed $\frac{1}{2}$ dozen per package

NO. 83-P Packed $\frac{1}{2}$ dozen per package



NO. 88 CARBIDE SCRIBER

For scribing on metals, ceramics, glass and other hard materials. Carbide Point is imbedded in metal shaft which may be reversed in screw chuck for protection when not in use. Body is knurled and has a pocket clip.

NO. 88 Individually carded, 12 to a box, or 6 to a Display Card, 2 cards to a box. (Specify) Weight 1 lb.

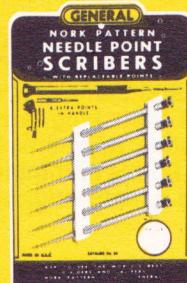


NO. 80

NO. 85

NO. 380-A

NO. 382



NO. 84

REPLACEABLE NEEDLE-POINT SCRIBER

Unquestionably the finest scriber made — for all marking including stainless steel and other hard materials. No need for resharpening point — just replace it with a new alloy needle point. Point is held rigid in friction grip. Knurled body is 5 inches long and is centerless ground. 4 extra needle points under the hexagon cap.

NO. 84 6 to a display card. Packed 12 to a box. Weight 1 lb.

NO. CM-88



CARBIDE SCRIBER WITH MAGNETIC PICKUP

Tungsten-Carbide Scriber Point on one end for scribing all metals, tools, glass, ceramics, plastic, etc. Point may be reversed in screw chuck for protection. Permanent Alnico on opposite end is useful for removing chips from drill holes, retrieving small steel screws, nuts, etc. A very handy pocket tool for all machinists, drill press operators and other mechanics. Knurled body has pocket clip.

NO. CM-88 Individually carded, 6 to a box or 6 to a Display Card, 1 card to a box. (Specify) Weight 8 ounces.

MACHINISTS' SCRIBERS

NO. 80 2-Point scriber, one straight and one bent point attached to a knurled steel body. Points are hardened. Overall length 9 inches. Packed 1 dozen to a box. Weight 11 oz.

NO. 85 Single Point Scriber. A moderate priced scriber for mechanics, students, hobbycrafters. A well made hardened scriber for marking metals, plastics, and other materials. $4\frac{1}{2}$ " long. Packed 2 dozen to a box. Weight 1 lb.

NO. 380-A Finest quality machinist scriber. Nickel plated body with 3 interchangeable threaded points. 1 short straight, 1 short bent, and 1 long bent point. Overall length of body with 2 short points is 9 inches. Overall length with 1 short and 1 long point is 12 inches. Packed in Individual Plastic Tubes, 6 sets per box. Wt. 12 ozs.

NO. 380-B Machinist Scriber (similar to #380-A) except with 1 Short Straight, and 1 Short Bent Point which thread into a Nickel Plated body. Overall length with 2 Short Points is 9 inches. Packed in individual Plastic Tubes, 6 sets per box. Weight 8 ounces.

NO. 382 Handy adjustable knurled aluminum body and sleeve can be securely clamped in any position on the $8\frac{1}{2}$ " double end scriber point. One end has straight point and other end has bent point. Packed 6 to a box. Weight 8 ounces.

NOTE: All General scribers conform to government specifications.

GENERAL®

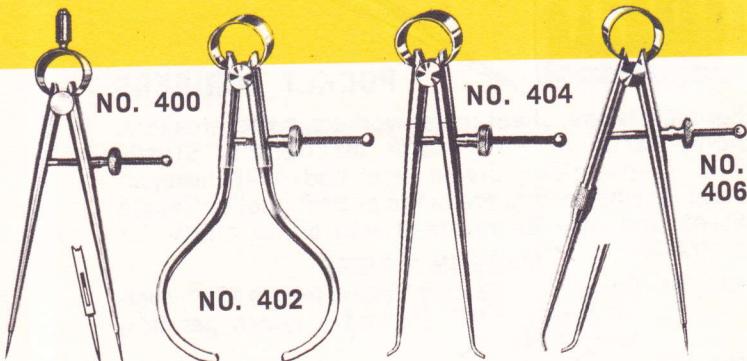
TOOLMAKERS' SPRING DIVIDERS AND CALIPERS NORK PATTERN — Round Leg

These Round Leg Spring Dividers and Calipers are unquestionably the finest tools of their kind, and are preferred by toolmakers and other mechanics. The exclusive replaceable Needle Points eliminate all grinding of divider points and assure original uniform length at all times.

FOR BEST PERFORMANCE

NO. 400-2	2"	Toolmakers	Needle-Point	Divider
NO. 400-3	3"	"	"	"
NO. 400-4	4"	"	"	"
NO. 400-6	6"	"	"	"
NO. 402-2	2"	Toolmakers	Outside	Caliper
NO. 402-3	3"	"	"	"
NO. 402-4	4"	"	"	"
NO. 402-6	6"	"	"	"
NO. 404-2	2"	Toolmakers	Inside	Caliper
NO. 404-3	3"	"	"	"
NO. 404-4	4"	"	"	"
NO. 404-6	6"	"	"	"
NO. 406-4	4"	Toolmakers	Hermaphrodite	Caliper
NO. 406-6	6"	"	"	"

Stiff tempered tension or bow springs in conjunction with tapered fulcrum spools, and centrally located adjustment screw, eliminate wobble. Legs are centerless ground, well balanced and fully polished.



Individually enveloped, packed 3 to a box.
Weight per box: 2 inch ... 3 oz. | 3 inch 4 oz.
4 inch ... 6 oz. | 6 inch .. 10 oz.

NO. 84-P Replacement Needle Points for General and Nork Dividers, Hermaphrodite Calipers, Scribes, Center Finders.
Packed 1 dozen to an envelope.

FLAT LEG SPRING DIVIDERS AND CALIPERS MACHINIST PATTERN — With Quick Nut

Made of high grade ground and polished steel. Precision made and well balanced tools. Flexible hardened bow-spring and fulcrum spool provides smooth, even action. Quick nut specially designed for fast and easy adjustment. A reasonably priced tool for mechanics, students and homecraftsmen. Produced in England.

MADE IN THREE SIZES

NO. 450-4	4"	Spring	Divider
NO. 450-6	6"	"	"
NO. 450-8	8"	"	"

NO. 452-4 4" Outside Caliper.

NO. 452-6 6" " "

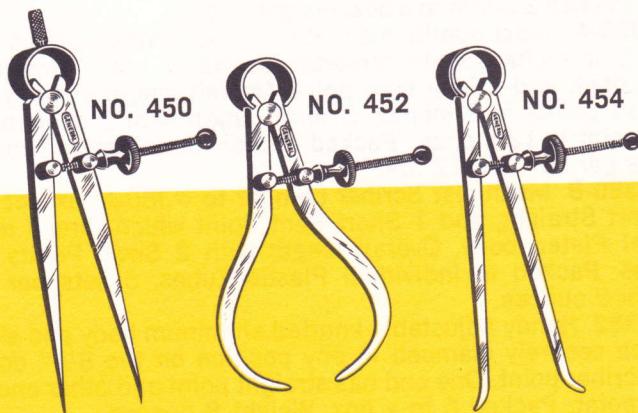
NO. 452-8 8" " "

NO. 454-4 4" Inside Caliper

NO. 454-6 6" " "

NO. 454-8 8" " "

Individually enveloped, packed 3 to a box.
Weight per box: 4 inch .. 9 oz. 6 inch .. 12 oz.
8 inch .. 15 oz.



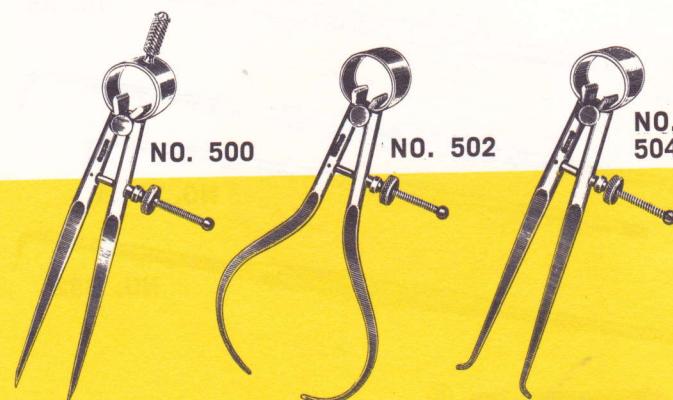
SPRING DIVIDERS AND CALIPERS INDUSTRIAL PATTERN

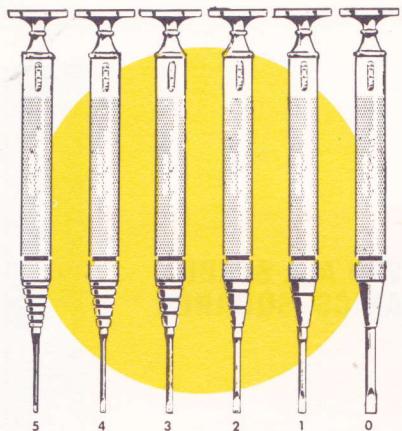
General Flat Leg Dividers and Calipers are an improved design. The legs are forged of special steel, machined to rigid and uniform length and balance. Hardened and tempered bow-springs and improved fulcrum spools assure uniform tension. The adjusting washer and nut permits quick and positive adjustment. There is practically no torsion or side play. A moderately priced quality tool for the mechanics, laboratory technicians, students and homecraftsmen.

MADE IN TWO SIZES

NO. 500-4	4"	Spring	Divider
NO. 500-6	6"	Spring	Divider
NO. 502-4	4"	Outside	Spring
NO. 502-6	6"	Outside	Spring
NO. 504-4	4"	Inside	Spring
NO. 504-6	6"	Inside	Spring

Individually enveloped, packed 3 to a box.
Weight per box: 4 inch 9 oz. 6 inch 12 oz.





Conforms to Govt. Specs.

NO. 600 JEWELERS' SCREWDRIVERS

For jewelers, instrument makers, sub-miniature parts assemblers, and other mechanics. Has swivel head, nickel plated body with screw-chucks grooved for size identification, and tempered steel blade. 3 3/4" overall length.

MADE IN 6 SIZES

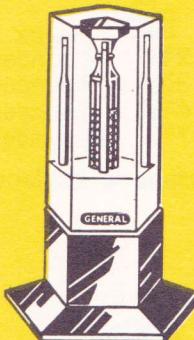
NO. 600-0.....100" blade width
NO. 600-1.....080" blade width
NO. 600-2.....070" blade width
NO. 600-3.....055" blade width
NO. 600-4.....040" blade width
NO. 600-5.....025" blade width

Individual Sizes packed 6 to a box. Weight 1/4 lb.

Sets of 6 assorted sizes:

NO. S-600 Set of 6 (one set to a box). Weight: 1/4 lb.
NO. SPC-600 Set of 6 in Plastic Case. Weight: 1/4 lb.

REPLACEMENT BLADES 6 to a package, either assorted, or individual sizes. (Specify)



Ideal for repairing watches, glasses and other miniature devices.

NO. 605 JEWELERS' SCREWDRIVER SET

For the home mechanic and hobbycrafter. A single swivel head screw driver with five interchangeable blades including .040, .055, .070 and .100 inch straight blades and a Crosspoint Phillips Style blade. Six sets to a display box, weight 3/4 lbs. Packed, 12 sets to a box, 1 1/2 lbs.

NO. S-605 In moulded plastic case (as illustrated)

NO. SPC-605 Same set in Snap-button Plastic Case

**NO. 808 4-WAY OFFSET SCREWDRIVER**

For reaching hard-to-get-at screws or where extra leverage is desired. A handy tool for all machinists, appliance service men, and others. Has four 1/4" tool steel blades mounted at 4 different angles, which permit short movements when turning space is limited. Body is made of steel, nickel plated and is 5 1/4" long. Individually carded.

NO. 808 Packed 6 to a box. Weight 1 1/2 lbs.



NO. 807



NO. 807-SX



NO. 807-X

RATCHET OFFSET SCREWDRIVERS

For reaching hard-to-get-at screws, especially where some leverage is desired. Ratchet sets instantly for **forward** or **reverse** position. Blades are made of Tool Steel, machined, ground and hardened. Overall length 3 7/8".

MADE IN 3 STYLES

NO. 807 with 1/4" and 3/8" Straight Blades

NO. 807-X with #1 and #2 Cross-Point Blades.

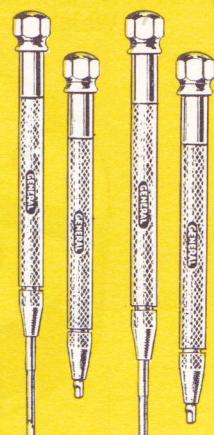
NO. 807-SX with Straight and Cross-Point Blades. Individually carded, 12 to a box, or packed 6 to a Display Card. (Specify)

POCKET SCREWDRIVERS

Handy Pocket Screwdrivers with screw chuck permitting the reversing of blades. Preferred by toolmakers, machinists, instrument assemblers, servicemen, etc. Sturdily made of nickel plated knurled steel tubing. Blades are made of steel, swaged, ground and hardened. Conform to government specifications.

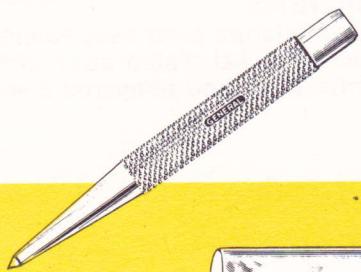
NO. 86 (small) 1/4 x 3 1/2" body; blade 3 3/2" by 1 7/8" long; overall length 4 1/2". Packed 1 dozen per box. Weight 1/2 lb.

NO. 87 (large) 3/8 x 4" body; blade 1 1/8" by 3" long; overall length 5 7/8". Packed 1 dozen per box. Weight 1 1/4 lbs.



NO. 86

NO. 87



NO. S-74 CENTER PUNCHES

Made of tool steel, heat treated for toughness and strength. Points are machined and carefully ground. Body is knurled for finger grip. Each punch is stamped with size. Available individually or in sets.



MADE IN 5 SIZES

NO. S-74 Set of 5 punches in Plastic Case. Wt. 6 oz.

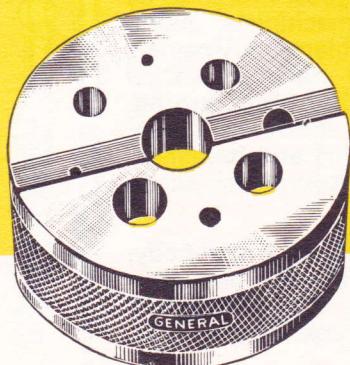
	Point Size	Length	Body Dia.	Wt. per Doz.
NO. 74-A	$\frac{1}{16}$ "	4"	$\frac{1}{4}$ "	$\frac{1}{2}$ lb.
NO. 74-B	$\frac{3}{32}$ "	4"	$\frac{5}{16}$ "	1 lb.
NO. 74-C	$\frac{9}{64}$ "	4"	$\frac{3}{8}$ "	$1\frac{1}{4}$ lb.
NO. 74-D	$\frac{5}{32}$ "	4"	$\frac{3}{8}$ "	$1\frac{1}{2}$ lb.
NO. 74-E	$\frac{1}{4}$ "	4"	$\frac{7}{16}$ "	$1\frac{3}{4}$ lb.

Packed 1 dozen of a size per box.

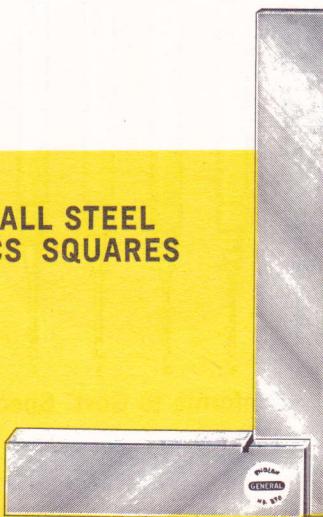
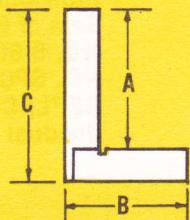
NO. 114 BENCH BLOCK

A handy tool block for driving pins and rivets in round or flat work. Holes vary in size from $\frac{1}{8}$ " to $\frac{5}{8}$ ", and a convenient V-groove with center hole for holding round or odd shape stock. An ideal companion item for use with General Drive Pin Punches.

NO. 114 Bench Block, 3" dia. by $1\frac{1}{2}$ " high. (approx.)
Weight 1 lb. Packed 1 to a box.



NO. 270 ALL STEEL MECHANICS SQUARES



Made of carbon steel, fully ground and polished. Blade securely fitted to beam, with clearance groove on inside corner. Not graduated. Moderately priced.

MADE IN 4 SIZES

	(A) Inside Blade Length	(B) Beam Length	(C) Overall Length	Weight
NO. 270-2	$2\frac{1}{8}$ "	$1\frac{3}{4}$ "	$2\frac{3}{4}$ "	2 ounces
NO. 270-3	$3\frac{1}{8}$ "	$2\frac{3}{8}$ "	$3\frac{7}{8}$ "	3 ounces
NO. 270-4	4"	3"	$4\frac{3}{4}$ "	5 ounces
NO. 270-6	6"	$3\frac{15}{16}$ "	7"	11 ounces

Individually boxed

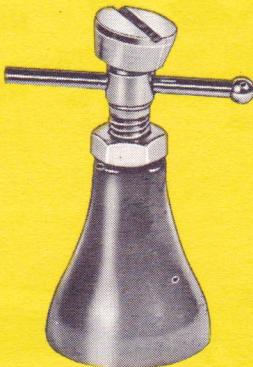
Made in England

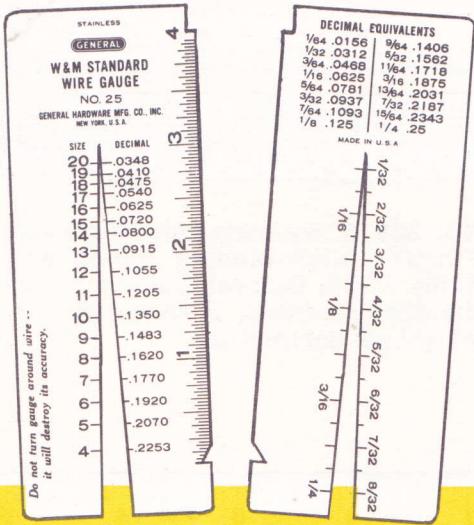
NO. 7 MACHINIST JACK

Has a lifting capacity of approximately 1000 lbs. For use on drill presses, shapers, milling machines, planers, or any place where leveling is necessary. Also used for leveling of radiators, electric appliances, etc. Has hundreds of uses for the mechanic and homecraftsman.

Base is made of a heavy casting with adjustable steel screw and tilting swivel head, with lock nut for permanent positioning. Has a one inch adjustment. 3" high when closed, and 4" high when fully extended.

Individually packed 6 to a box Weight $1\frac{1}{4}$ lbs.

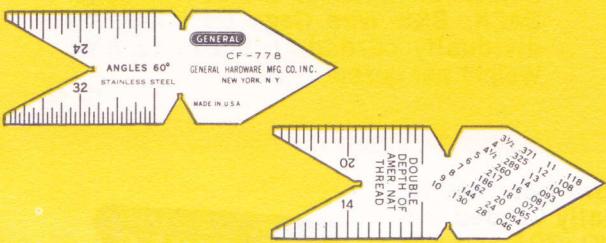




NO. 25 W & M STANDARD WIRE GAGE

For gaging steel wire and drill rod. Permanently etched on Stainless Steel. Front has Washburn & Moen Standard Wire Gage sizes from 4 to 20 with their decimal equivalents, and a 4 inch rule in 32nds.

Reverse side has fractions of an inch from $\frac{1}{32}$ to $\frac{1}{4}$ inches with decimal equivalents for measuring round stock. Recommended and used by wire and spring fabricators. Size $4\frac{3}{4}'' \times 1\frac{3}{4}''$. Individually enveloped. Packed 6 per box. Weight 1 lb.



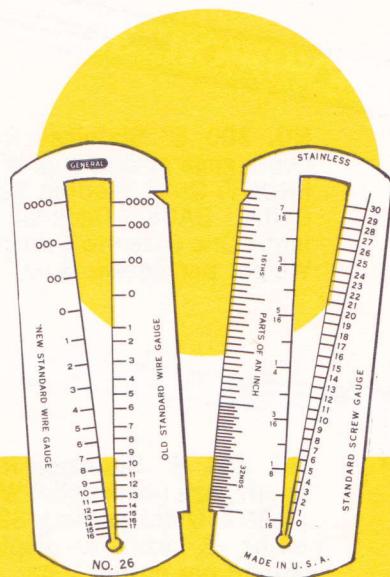
STAINLESS STEEL 60° CENTER GAGE
(Double Depth of American National Thread)

Used in gaging or setting screw cutting tools. Made of tempered stainless steel with three 60° notched angles. Notches have clearance slots. Etched graduations in 14ths, 20ths, 24ths and 32nds of an inch for determining the number of threads per inch.

NO. 778 Stainless Steel

NO. GE-778 Chrome Finish Stainless

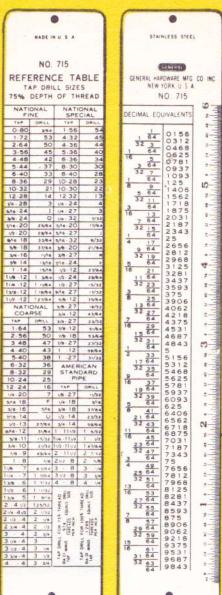
Individually enveloped, packed 3 to a box.
Weight 1 oz.



NO. 26 SCREW AND WIRE GAGE

A handy Stainless Steel gage for all screw users and distributors. Front side is graduated for American Standard Wood Screw sizes #0 to #30 on one side of slot, and diameters of wires or screws from $\frac{1}{16}$ " to $\frac{7}{16}$ " on the opposite edge. Also has a 3" rule for measuring screw lengths.

Reverse Side is graduated for Old or English Wire Gage (BWG) from 17 to 0000 on one edge and the NEW Standard or American Wire Gage (AWG) from 15 to 0000 on the other edge. Size 4" x 1 3/8". Individually enveloped. Packed 6 per box. Weight 6 ounces.



**NO. 715
STAINLESS STEEL
REFERENCE TABLE**

A handy reference table for toolmakers, machinists, mechanics and home-craftsmen. FRONT has Tap Drill sizes recommended for 75% Depth of Thread for machine screw sizes.

BACK has a decimal equivalents table in 64ths from $\frac{1}{64}$ to $63\frac{1}{64}$ ths, with a Quick Reading 6 inch rule. Made of Stainless Steel. Individually enveloped. Packed 6 per box. Weight 6 ounces.

GENERAL®

6 INCH STAINLESS STEEL RULES (300 Series)



NO. 300 6" Stainless Rule with depth gage pocket clip. Width $\frac{1}{2}$ ". FRONT: Quick-reading 32nds and 64ths. BACK: Decimal Equivalents. One dozen to a display card. Weight per dozen: 6 oz.



NO. 301 6" Stainless Rule with depth gage pocket clip. Width $\frac{1}{4}$ ". FRONT: Quick-reading 32nds and 64ths. 2 dozen to display card. Weight per dozen: 2 oz.

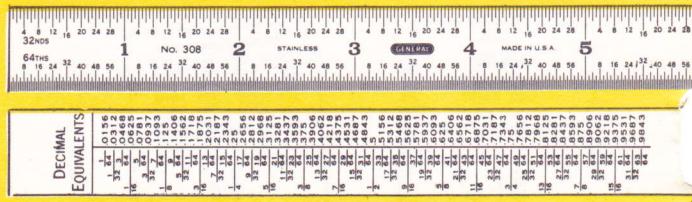


NO. 304 6" Stainless Rule. Width $\frac{15}{32}$ ". FRONT: Quick-reading 32nds and 64ths. Individually carded, 1 dozen to box. Weight per dozen: 6 oz.



NO. 307 6" Stainless Rule. Width $\frac{3}{4}$ ". FRONT: 8ths and 16ths. Individually carded, 1 dozen to box. Weight per dozen: 8 oz.

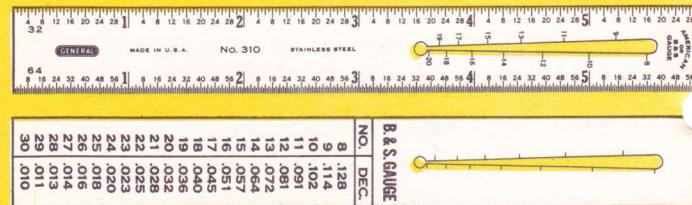
NO. 332 6" Stainless Rule. Width $\frac{15}{32}$ ". FRONT: 10ths and 50ths. Individually carded, 1 dozen to box. Weight per dozen: 4 oz.



NO. 308 6" Stainless Rule. Width $\frac{3}{4}$ ". FRONT: Quick-reading 32nds and 64ths. BACK: Decimal Equivalents. Individually carded, 1 dozen to box. Weight per dozen: 8 oz.



NO. 309 6" Stainless Rule. Width $\frac{3}{4}$ ". FRONT: Quick-reading 32nds and 64ths. Individually carded, 1 dozen to box. Weight per dozen: 8 oz.



NO. 310 6" Stainless Rule. Width $\frac{3}{4}$ ". FRONT: Quick-reading 32nds and 64ths, with American or B&S Wire Gage. BACK: B&S Wire Gage Decimals. Individually carded, 1 dozen to box. Weight per dozen: 8 oz.

All above rules are Individually Carded, except NO. 301 and NO. 300.

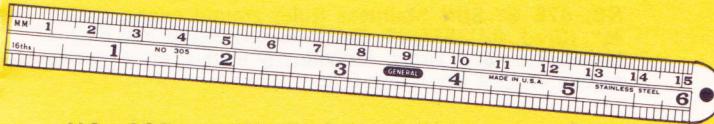


NO. 300 and NO. 301 Rules are mounted on Display Cards.

STAINLESS STEEL METRIC RULES



NO. 301mm 6" Stainless Rule with depth gage pocket clip. Width $\frac{1}{4}$ ". FRONT: Millimeters and 16ths. Individually carded, 2 dozen to box. Weight per dozen 3 oz.



NO. 305mm 6" Stainless Rule. Width $\frac{15}{32}$ ", Length 15cm. FRONT: Millimeters and 16ths. Individually carded, 1 dozen to box. Weight per dozen 5 oz.



NO. 311mm 6" Stainless Metric and English Comparison Rule. Width: $\frac{3}{4}$ ". Length: 15cm. FRONT: Millimeters, 32nds and 16ths. Individually carded, 1 dozen to box. Weight per dozen 6 oz.



NO. 335mm 6" Stainless Rule. Width: $\frac{15}{32}$ ". Length 15cm. FRONT: Millimeters and Half-Millimeters. Individually enveloped, 1 dozen to box. Weight per dozen 4 oz.



NO. 678me 6" Stiff Stainless Steel English-Metric Rule; ground edges. Width $\frac{3}{4}$ ". Length 15cm. FRONT: Top Edge in 32nds, 64ths and 16ths. Bottom Edge in 20ths, 50ths, 100ths and 10ths. BACK: Top Edge in Millimeters; Bottom Edge in Half-Millimeters. Individually enveloped, 1 dozen to box. Weight per dozen 8 oz.

GENERAL

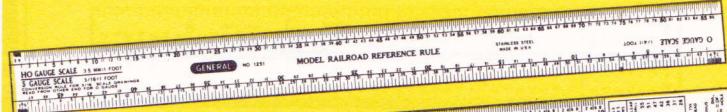
HOBBY AND MODELMAKERS STAINLESS STEEL RULES



NO. 341 6" Stainless Rule, Aircraft graduations. Width $\frac{3}{4}$ ". FRONT: 10ths, 20ths, 30ths, 50ths, 100ths and 10ths; Bottom edge Quick-reading 64ths; Individually carded, 1 dozen to box. Weight per dozen 6 oz.

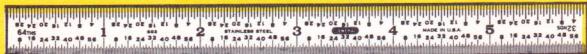


NO. 351 (HO-O) 6" Stainless Rule, model railroad. Width $\frac{3}{4}$ ". FRONT: HO gage — 3.5mm equals 1 foot; O gage — $\frac{1}{4}$ " equals 1 foot. BACK: Decimal Equivalents. Individually carded, 1 dozen to box. Weight per dozen 6 oz.



NO. 1251 12" Stainless Model Railroad Rule. HO-O gage with new S gage. Width 1". FRONT: HO gage — 3.5mm equals 1 foot; O gage — $\frac{1}{4}$ " equals 1 foot. New S scale — $\frac{3}{16}$ " to 1 foot. BACK: Tap Drill Reference Table and Decimal Equivalents. Individually enveloped, 1 dozen to box, Weight 1½ lbs.

GENERAL[®] 6 INCH TEMPERED STAINLESS STEEL RULES (600 Series)



NO. 602 6' Flexible Stainless Rule; ground edges. Width 15/32" (Grad. #10). FRONT: Quick-reading 32nds and 64ths. Individually enveloped, 1 dozen to box. Weight per dozen 4 oz.



NO. 611 6' Flexible Stainless Rule; ground edges. Width 15/32" (Grad. #11). FRONT: Quick-reading 64ths and 100ths. Individually enveloped, 1 dozen to box. Weight per dozen 4 oz.



NO. 616 6' Flexible Stainless Rule; ground edges. Width 15/32" (Grad. #5). FRONT: Quick-reading 10ths and 100ths. BACK: Quick-reading 32nds and 64ths. Individually enveloped, 1 dozen to box. Weight per dozen 4 oz.



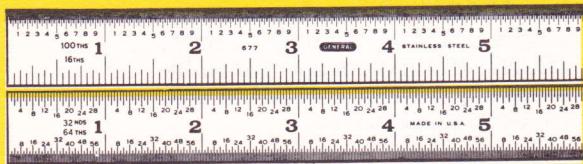
NO. 633 6' Flexible Stainless Rule; ground edges. Width 15/32". FRONT: Quick-reading 10ths and 50ths. BACK: 16ths and Quick-reading 32nds. Individually enveloped, 1 dozen to box. Weight per dozen 4 oz.



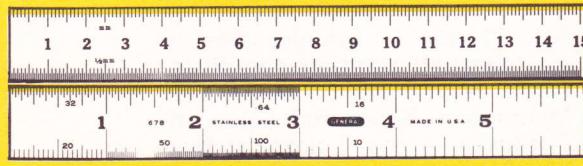
NO. 634 6' Flexible Stainless Rule; ground edges. Width 15/32". (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped. 1 dozen to box. Weight per dozen 4 oz.



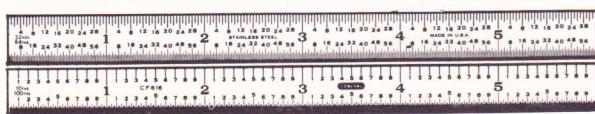
NO. 676 6' Stiff Stainless Rule; ground edges. Width 3/4". (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, 1 dozen to box. Weight per dozen 8 oz.



NO. 677 6' Stiff Stainless Rule; ground edges. Width 3/4". (Grad. #7). FRONT: Quick-reading 100ths and 16ths. BACK: Quick-reading 32nds and 64ths. Individually enveloped, 1 dozen to box. Weight per dozen 8 oz.



NO. 678 6' Stiff Stainless Rule; ground edges. Width 3/4". FRONT: 32nds, 64ths, 16ths and 20ths, 50ths, 100ths, 10ths. BACK: Millimeters and 1/2-Millimeters. Individually enveloped. 1 dozen to box. Weight per dozen 8 oz.



NO. CF-616 6' Flexible Chrome Finish Rule; ground edges. Width 15/32" (Grad. #5). FRONT: Quick-reading 10ths and 100ths. BACK: Quick-reading 32nds and 64ths. Individually enveloped, 1/2 dozen to box. Weight per dozen 2 oz.



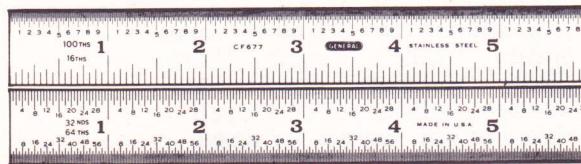
NO. CF-634 6' Flexible Chrome Finish Rule; ground edges. Width 15/32" (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, 1/2 dozen to box. Weight per dozen 2 oz.



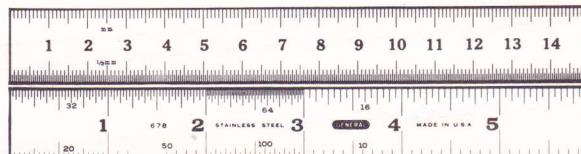
NO. CF-676 6' Stiff Chrome Finish Rule; ground edges. Width 3/4" (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8th and 16ths. Individually enveloped, 1/2 dozen to box. Weight per dozen 4 oz.



NO. C-692
NO. C-693



NO. CF-677 6' Stiff Chrome Finish Rule; ground edges. Width 3/4" (Grad. #7). FRONT: Quick-reading 100ths and 16ths. BACK: Quick-reading 32nds and 64ths. Individually enveloped, 1/2 dozen to box. Weight per dozen 4 oz.



NO. CF-678 6' Stiff Chrome Finish Rule; ground edges. Width 3/4". FRONT. 32nds, 64ths, 16ths, and 20ths, 50ths, 100ths, 10ths. BACK: Millimeters and 1/2-Millimeters. Individually enveloped. 1/2 dozen to box. Weight per dozen 4 oz.

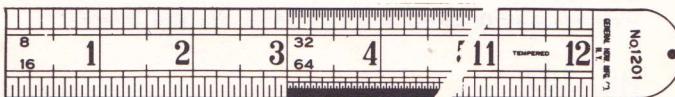
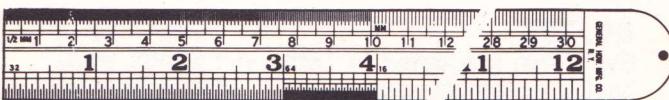
6 INCH RULE CASES WITH CLIP

Metal bound genuine leather case with Pocket Clip; for 6 inch rules.

NO. C-692 Case with Clip for 1/2" wide rules.

NO. C-693 Case with Clip for 3/4" wide rules. Packed 6 per box. Weight 4 oz.

12 INCH TEMPERED STAINLESS STEEL RULES (1200 Series)



NO. 1201 12" Stainless Rule; Width $\frac{7}{8}$ ". For home-craftsmen and vocational students. FRONT: 8ths, 16ths, 32nds and 64ths; BACK: Millimeters and $\frac{1}{2}$ millimeters; 32nds, 64ths and 16ths. Individually enveloped, 1 dozen to box. Weight per dozen 1 $\frac{1}{2}$ lbs.



NO. 1202 12" Flexible Stainless Rule; ground edges. Width: $\frac{15}{32}$ " (Grad. #10). FRONT: Quick-reading 32nds and 64ths. Individually enveloped, 1 dozen to box. Weight per dozen 6 oz.



NO. 1216 12" Flexible Stainless Rule; ground edges. Width: $\frac{15}{32}$ " (Grad. #5). FRONT: Quick-reading 10ths and 100ths. BACK: Quick-reading 32nds and 64ths. Individually enveloped, 1 dozen to box. Weight per dozen 6 oz.



NO. 1234 12" Flexible Stainless Rule; ground edges. Width: $\frac{15}{32}$ " (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, 1 dozen to box. Weight per dozen 6 oz.



NO. 1276 12" Stiff Stainless Rule; ground edges. Width: 1" (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, $\frac{1}{2}$ dozen to box. Weight per dozen 4 lbs.

GENERAL®

STAINLESS STEEL RULES

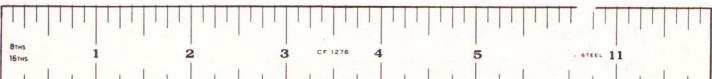
12 INCH CHROME FINISH STAINLESS STEEL RULES



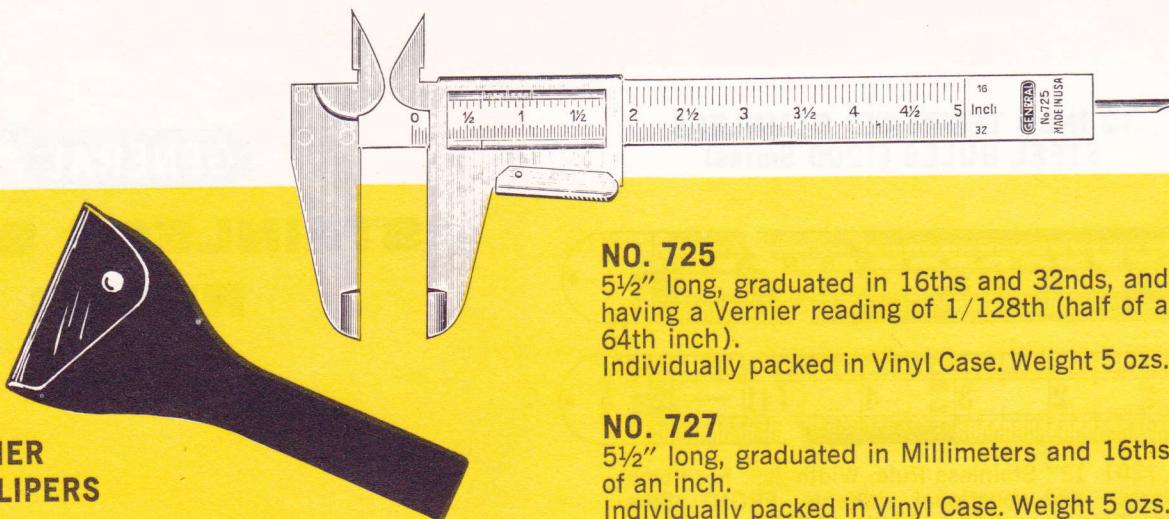
NO. CF-1216 12" Flexible Chrome Finish Rule; ground edges. Width $\frac{15}{32}$ " (Grad. #5). FRONT: Quick-reading 10ths and 100ths; BACK: Quick-reading 32nds and 64ths. Individually enveloped, $\frac{1}{2}$ dozen to box. Weight per dozen 6 oz.



NO. CF-1234 12" Flexible Chrome Finish Rule; ground edges. Width $\frac{15}{32}$ " (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, $\frac{1}{2}$ dozen to box. Weight per dozen 6 oz.

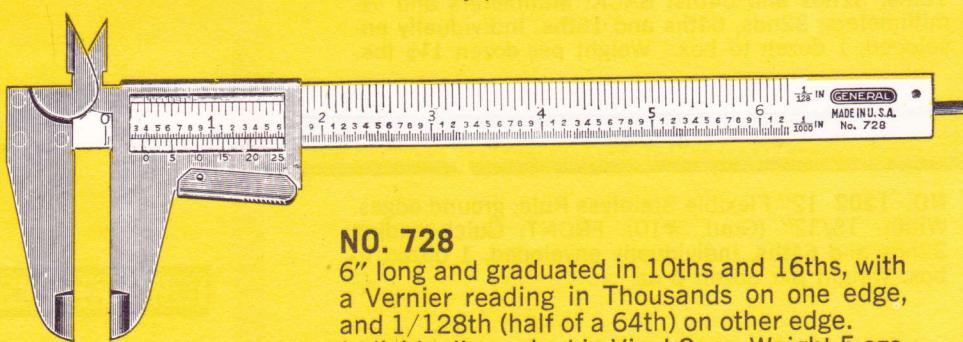


NO. CF-1276 12" Stiff Chrome Finish Rule; ground edges. Width: 1" (Grad. #4). FRONT: Quick-reading 32nds and 64ths. BACK: 8ths and 16ths. Individually enveloped, $\frac{1}{2}$ dozen to box. Weight per dozen 6 oz.



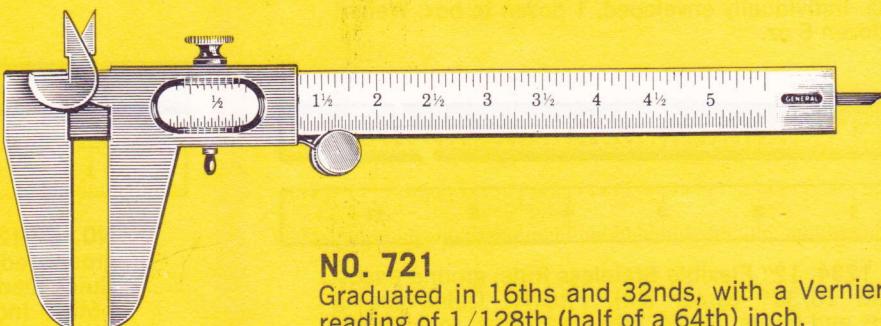
VERNIER SLIDE CALIPERS

New improved spring tension thumb adjustment, large vernier window, with ground edge inside and outside jaws, and convenient depth gage. For accurately measuring rods, pipe, tubing and other items.



VERNIER CALIPERS WITH ROLLER ADJUSTMENT

A very handy moderately priced 5 inch inside and outside Vernier Caliper, with Depth Gage. Friction roller permits simple, yet sensitive adjustment. Caliper may be locked at any desired position for gaging purposes. A very popular tool with mechanics, students and homecraftsmen.



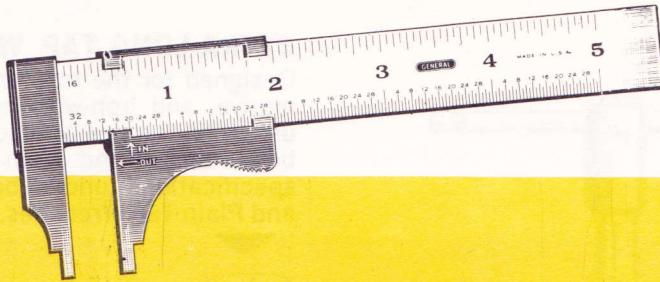
NO. 721

Graduated in 16ths and 32nds, with a Vernier reading of 1/128th (half of a 64th) inch. Individually enveloped, packed 6 to a box. Weight. 1 1/2 lbs.

NO. 723

Graduated in Millimeters and 16ths of an inch. Individually enveloped, packed 6 to a box. Weight. 1 1/2 lbs.

GENERAL®



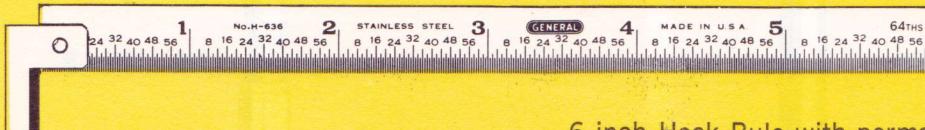
**NO. 729
STAINLESS STEEL
POCKET SLIDE CALIPER**

A handy pocket slide caliper now made entirely of stainless steel with both inside and outside reading of measurements. The rule has easy reading graduations in 16ths and 32nds. For mechanics, servicemen, hobbycrafters, anyone who occasionally must measure small objects such as nails, screws, buttons, lenses, tubing, etc. Has dozens of uses every day. Has a handy decimal equivalents table on back. Weight 1½ ounces.

NO. 729 Graduated in 16ths and 32nds

NO. 729mm Graduated in Millimeters and 16ths

Packed 6 to a Display Card. Weight ¾ lb.



**NO. H-636
STAINLESS STEEL
HOOK RULE**

6 inch Hook Rule with permanently etched quick reading 64ths on one side, and 32nds on opposite side. Rule is 6" long and has ground edges. Width is 3/8 inches.

Individually enveloped, packed 3 to a box. Weight 1/4 lb.

**POCKET
SLIDE CALIPERS**

A quality steel caliper moderately priced. For measuring inside and outside dimensions. Graduated in quick reading 64ths of an inch with "IN" and "OUT" lines for easy direct reading.

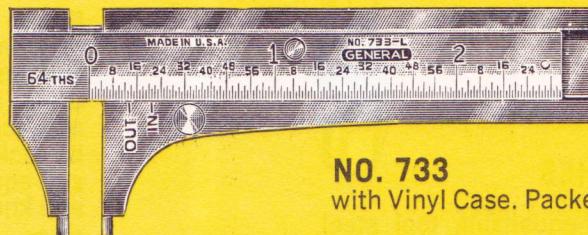
Depth of Jaws $1\frac{1}{16}$ "

Capacity, Inside $2\frac{3}{8}$ "

Outside $2\frac{1}{4}$ "

Overall length 3 inches

Serrated Thumb Button permits easy one-hand opening and closing.



NO. 733

with Vinyl Case. Packed 3 to a box. Weight 6 ozs.



NO. 733-L

Same as No. 733 except with locking device for holding slide securely in open position for purposes of inspection, sizing and other needs.

NO. 733-L with Vinyl Case. Packed 3 to a box. Weight 6 ounces.

GENERAL®

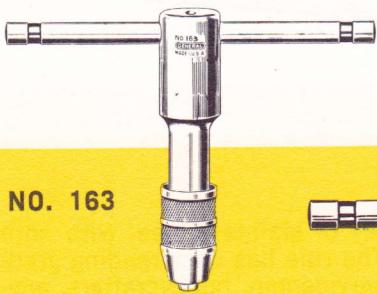
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.



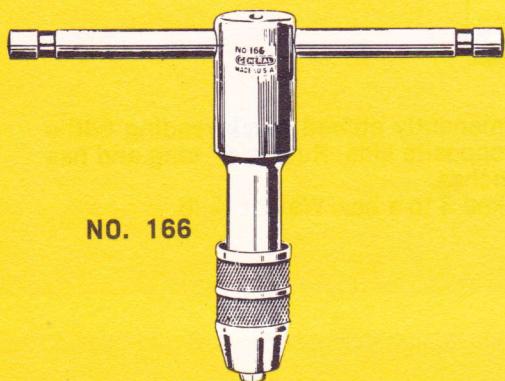
EXTRA-LONG TAP WRENCHES

Designed for the machine and automotive, and iron-working trades for use in hard-to-get-at places. Made in both Ratchet and Plain Styles. See specifications under both Ratchet and Plain Tap Wrenches.

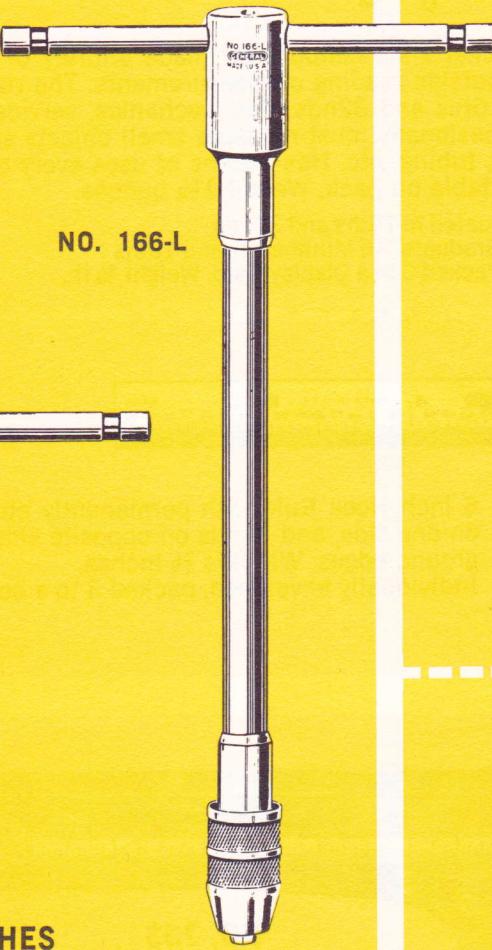
NO. 163



NO. 166-L



NO. 166



PLAIN TAP WRENCHES

Finest quality, with self-equalizing tool steel jaws, knurled chuck sleeve, and sliding T-Handle. Fully polished and considered one of the best tap wrenches made.

No.	Tap Capacity		Length	Weight
	Fractional	Mach. Screw		
163	1/16-5/32	(0 to 8)	2 1/4"	2 oz.
164	1/16-1/4	(0 to 14)	3"	3 oz.
166	1/4-1/2	(12 to 14)	3 3/4"	12 oz.
166-L	1/4-1/2	(12 to 14)	13"	18 oz. (Extra Long)

Individually boxed.

RATCHET TAP WRENCHES

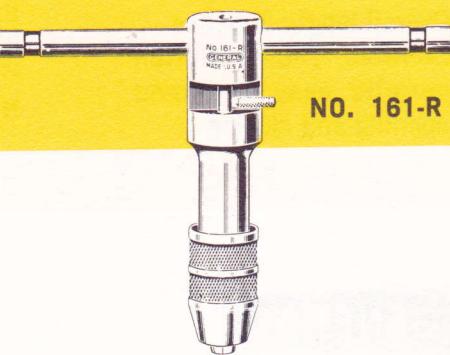
Finest made tools of their kind. Preferred by machinists, electricians and other service mechanics. Designed for holding taps, reamers, drills, and other small tools. Instantly adjustable for either right or left hand ratchet, or may be locked in central non-ratchet position. Has self-equalizing tool steel jaws, sliding T-handle, and knurled chuck sleeve. Made in four popular sizes.

Tap Capacity				
No.	Fractional	Mach. Screw	Length	Weight
160-R	1/16-5/32	(0 to 8)	2 7/8"	4 oz.
161-R	5/32-1/4	(0 to 14)	3 1/2"	6 oz.
161-LR	5/32-1/4	(0 to 14)	13"	20 oz. (Extra Long)
162-R	1/4-1/2	(12 to 14)	4 1/2"	14 oz.

Individually boxed.



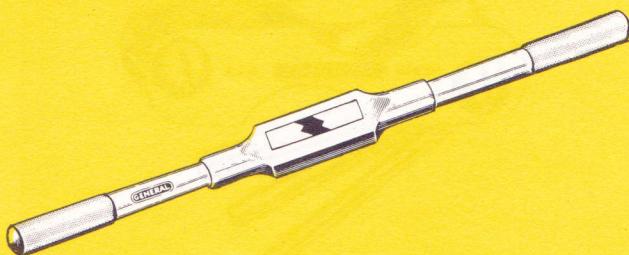
NO. 161-R



GENERAL[®]

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

TAP WRENCHES and DIE STOCK HOLDERS



NO. 170 STRAIGHT TAP WRENCH

A sturdy quality tool with ball-bearing feed adjustment by turning of knurled handle. Oil-hardened tool steel quick-opening jaws with a capacity from $\frac{1}{16}$ to $\frac{1}{4}$ " and for #0 to #14 machine screw taps. Overall length 7 inches. Individually boxed. Weight 4 ounces.

Conforms to Government Specs.



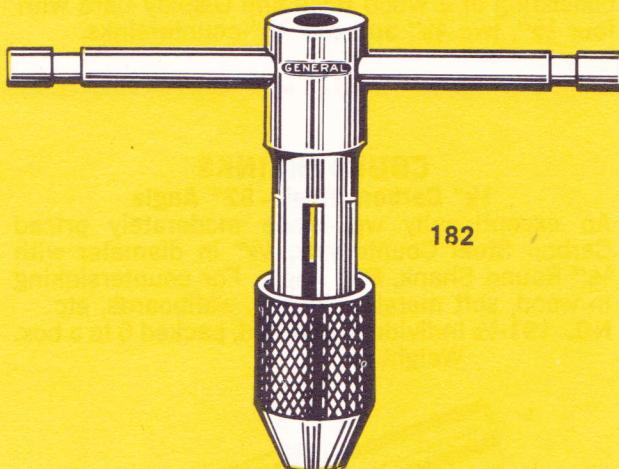
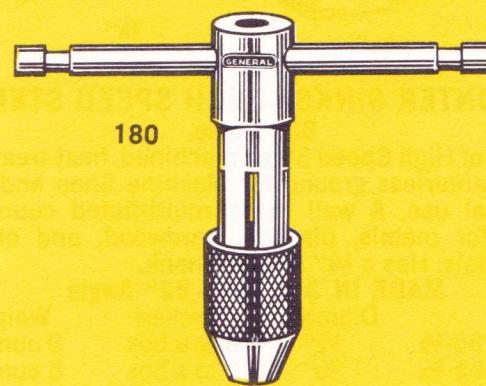
DIE STOCKS

NO. 174 A moderate priced Zinc die cast 1" die stock holder. Dies held in place with a set screw. Overall length 8 $\frac{1}{4}$ ". Packed 3 to a box. Weight $\frac{1}{2}$ lb.

SOLID JAW TAP WRENCHES

A well made line of moderately priced tap wrenches for the mechanic, serviceman and homecraftsman. Has hardened one-piece chuck jaws, knurled sleeve, and sliding handle. Made in 3 sizes.

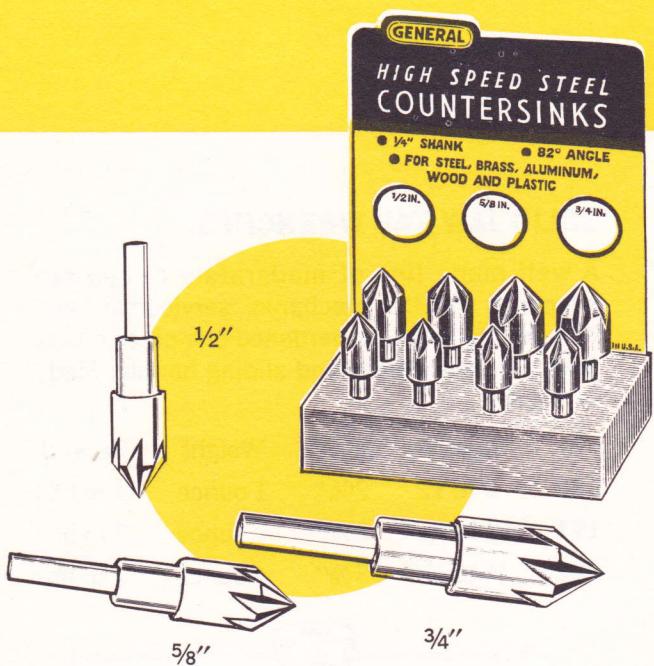
No.	Capacity	Length	Weight	Packed
180	0 to 12	2 $\frac{5}{8}$ "	1 ounce	4 to box
181	12 to $\frac{5}{16}$ "	3 $\frac{1}{4}$ "	2 ounce	3 to box
182	$\frac{1}{4}$ to $\frac{1}{2}$ "	3 $\frac{7}{8}$ "	4 ounce	2 to box



GENERAL®

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

COUNTERSINKS



COUNTER SINKS – HIGH SPEED STEEL 82° Angle

Made of High Speed Steel, machined, heat-treated, and centerless ground for Machine Shop and Industrial use. A well made multi-fluted countersink for metals, plastics, hardwood, and other materials. Has a 1/4" Round Shank.

MADE IN 3 SIZES – 82° Angle

	Diameter	Packed	Weight
NO. 195-1/2	1/2"	6 to a box	8 ounces
NO. 195-5/8	5/8"	3 to a box	5 ounces
NO. 195-3/4	3/4"	3 to a box	6 ounces

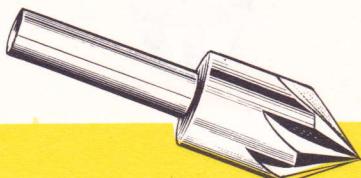
NO. AS-195-8 Display assortment (as illustrated) consisting of a Wood Base and Display Card with four 1/2", two 5/8" and two 3/4" countersinks.

COUNTERSINKS

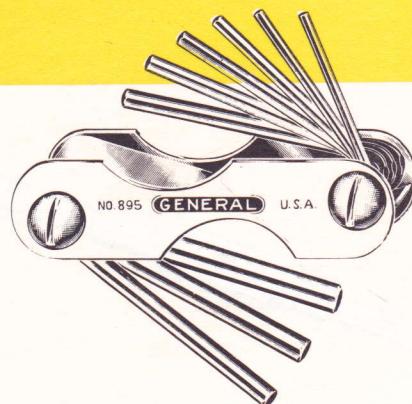
1/2" Carbon Steel – 82° Angle

An exceptionally well-made moderately priced Carbon Steel Countersink, 1/2" in diameter with 1/4" Round Shank, 82° Angle. For countersinking in wood, soft metals, plastics, wallboards, etc.

NO. 191-1/2 Individually carded, packed 6 to a box. Weight 8 oz.



SOCKET SCREW WRENCHES



HEXAGON SOCKET WRENCH HANDLES

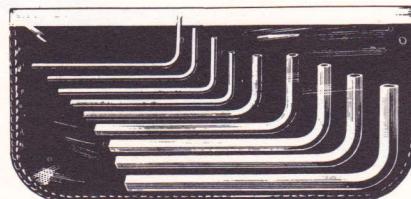
New 9 key sets include the 7/64" and 9/64" socket screw sizes. No lost or mislaid keys — no overlapping keys. Tool Steel Blades have chamfered ends, and are instantly opened to any position; either straight or offset angle.

MADE IN TWO SIZES

NO. 894 .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32 and 3/16"

NO. 895 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32 and 1/4"

Individually carded for Peg-Board, packed 6 to a box. Weight: No. 894 1 1/2 lbs. No. 895 2 1/2 lbs.



9 KEY HEX WRENCH SET

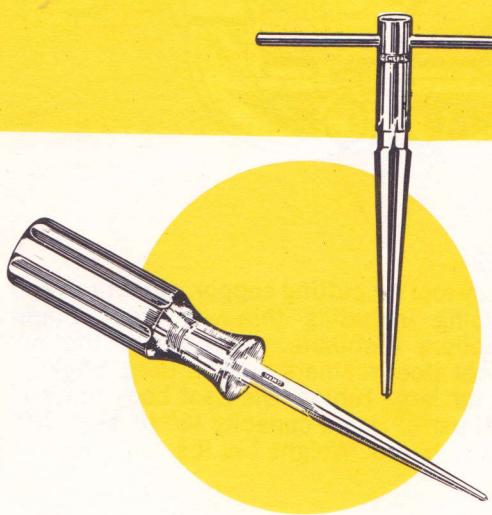
9 most popular small Allen Type Hex Wrenches, including the new 7/64 and 9/64 Socket Screw Sizes. Made of uniformly heat treated alloy tool steel, Nickel Plated with both ends chamfered for easy insertion.

9 Keys packed in snap-button Vinyl Case consisting of 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32 and 1/4 inches.

NO. S-896 Packed 6 sets to box. Weight 1 1/2 lbs.

GENERAL®

GENERAL[®] REAMERS

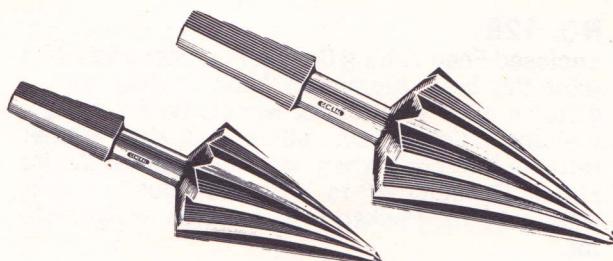


REPAIRMAN'S REAMERS

For auto mechanics, electricians, plumbers, machinists, carpenters and other mechanics. For removing burrs from small holes, tubing, etc. and for enlarging and countersinking holes in soft metals, plastics, and similar materials.

NO. 130 with T-Handle. Diameter from $\frac{1}{8}$ " to $\frac{1}{2}$ ". Overall length $5\frac{1}{2}$ ". Packed 3 to a box. Weight 12 ounces.

NO. 131 with Plastic Handle. Diameter from $\frac{1}{8}$ " to $\frac{3}{8}$ ", overall length 6". Packed 6 to a box. Weight $1\frac{1}{4}$ lbs.



BIT BRACE SHANK BURRING REAMERS

For removing burrs from pipe and tubes, for enlarging and countersinking holes in sheet metal and other materials. For the plumber, steamfitter, metal worker, and other mechanics. Made of forged carbon steel, machined and heat treated to give best performance.

MADE IN TWO SIZES

NO. 134 $\frac{1}{4}$ " to $1\frac{1}{4}$ " capacity, Wt. 7 ounces.

NO. 135 $\frac{1}{4}$ " to 2" capacity, Wt. 1 pound.
Individually boxed.



TAPER REAMERS WITH BIT BRACE SHANK

Has many uses such as enlarging holes in metals, plastics and other materials. For the machinist, automotive, electrical and other servicemen. Made of High Carbon Tool Steel, machined and heat-treated to give dependable service.

MADE IN 2 SIZES

NO. 132 $\frac{1}{8}$ " to $\frac{1}{2}$ " capacity, overall length $5\frac{3}{8}$ ". Wt. 2 ounces.

NO. 133 $\frac{1}{4}$ " to $\frac{7}{8}$ " capacity, overall length $4\frac{7}{8}$ ". Wt. 4 ounces.

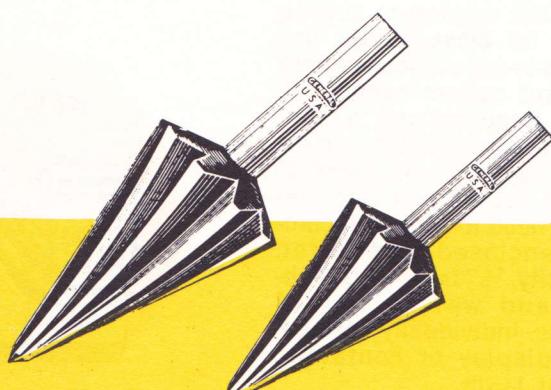
ROUND SHANK BURRING REAMERS

For the steamfitter, metal worker, and other shop mechanics. For removal of burrs from pipe, conduit, etc. For enlarging holes in various metals. Drop-forged carbon steel, machined, heat-treated and ground to give long service.

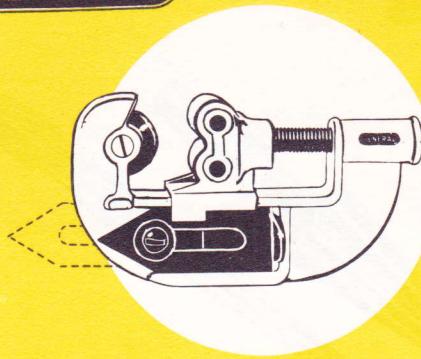
MADE IN 2 SIZES

NO. RS-136 Capacity $\frac{1}{4}$ " to $1\frac{1}{4}$ ", Wt. 7 ounces.

NO. RS-137 Capacity $\frac{1}{4}$ " to 2", Wt. 1 pound.

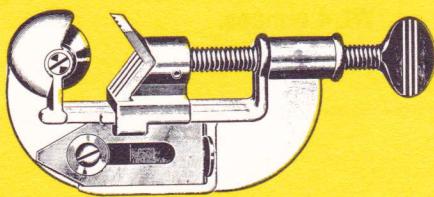


GENERAL® AMERICAN MADE TUBING CUTTERS



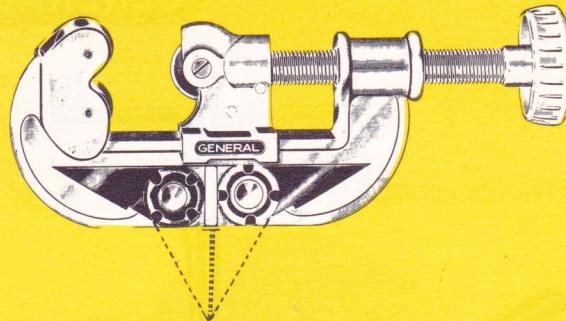
NO. 120

A standard with mechanics and servicemen for over 25 years for cutting copper and other thin wall tubing. Supplied with an Alloy Steel true-cutting wheel, grooved rollers for flared tubing, and a tool steel reamer. Capacity $\frac{1}{8}$ " to $1\frac{1}{8}$ " O.D. tubing. Silver-Lustre Finish. Individually boxed, weight $\frac{3}{4}$ lb. Packed 6 to a carton, weight $4\frac{1}{2}$ lbs.



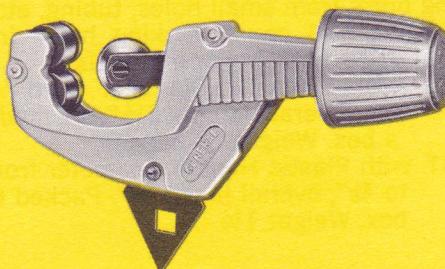
NO. 122

Popular die-cast tubing cutter for both mechanic and homecraftsman. Has same alloy cutter wheel and popular slide-lock reamer as used in No. 120. Capacity $\frac{1}{8}$ " to 1" O.D. tubing. Individually boxed, weight $\frac{1}{2}$ lb. Packed 6 to a carton, weight 3 lbs.



NO. 125

Heavy duty tool for cutting copper, aluminum and other tubing including thin-wall steel. Flare-groove rollers eliminate unnecessary friction. Duplex tool steel reamers may be used singly or together for large tubing. Die-Cast body finished in Silver-Lustre. Has a capacity $\frac{1}{4}$ " to $1\frac{1}{2}$ " O.D. Individually boxed. Weight $1\frac{1}{4}$ lbs.



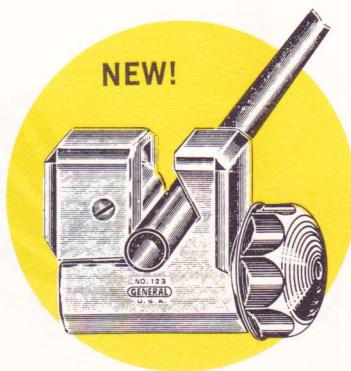
NO. 128

Enclosed Feed Tubing Cutter. For mechanics who want the best. Aluminum Alloy Casting with 2 genuine alloy steel cutter wheels (spare in handle) and 2 flare-groove rollers. Tool steel reamer retracts into body when not in use. Silver-Lustre Finish. Capacity $\frac{1}{8}$ " to $1\frac{1}{8}$ ". Individually boxed, weight 12 oz. Packed 6 to a carton, weight $4\frac{1}{2}$ lbs.

NO. 123

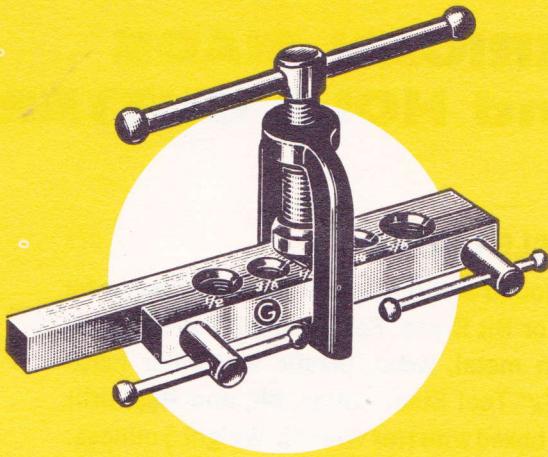
Compact miniature tubing cutter for **close-quarter** use in hard-to-get-at places where standard cutters cannot operate. Requires only a $1\frac{1}{4}$ " clearance to make a perfect right angle cut. All users of tubing cutters will find frequent need for this new compact enclosed-feed cutter. Capacity, $\frac{1}{8}$ " to $\frac{1}{2}$ " O.D. Tubing, and weighs only 4 ounces. Individually boxed, 6 to a display or container. Weight $1\frac{1}{2}$ lb.

MIDGET TUBING CUTTER



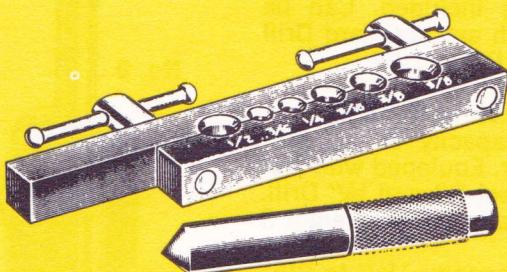
NO. RW-121

Alloy Tool Steel Cutter Wheels. Replacement cutter wheels are made in one size only, and will fit all General Tubing Cutters. Uniformly machined and hardened to give best performance. Note: should cutter wheel screws be required, specify for correct stock number, as these screws or pins are of different lengths to fit their respective tools.



NO. 150

A moderate priced quality flaring tool, having same capacity as No. 155, but equipped with 2 sliding bar screws to permit sufficient clearance for insertion and removal of tubing. Capacity $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ " O.D. Tubing. Bars are cadmium plated and screw yoke finished in baked enamel. Individually boxed. Weight 2 lbs.



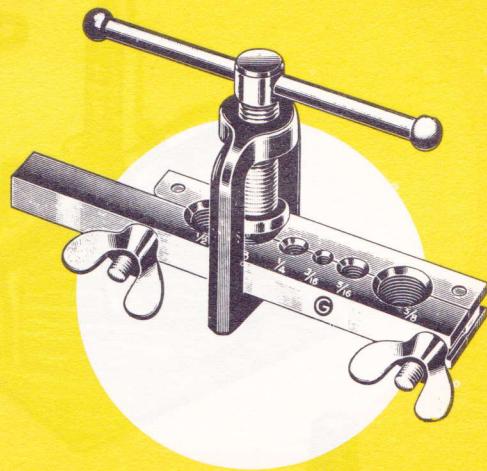
NO. 140

Flaring Tool with Hand Punch. Flaring bars are the same as model No. 150 and finished in cadmium plate. Has a capacity of $\frac{3}{16}$ " to $\frac{5}{8}$ ", with Slide Bar Screws and a hardened steel Hand Punch. Individually boxed. Weight 1 $\frac{1}{2}$ lbs.

FLARING TOOLS

GENERAL[®]

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.



NO. 155

Heavy duty wing nuts permit quick opening of hinged cadmium plated steel bars for easy insertion and removal of flared tubing. Steel yoke is enameled and has a plated free-wheeling cone for faster and smoother flaring. Has a tubing capacity of $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ " O.D. Tubing. Individually boxed. Weight 2 $\frac{1}{4}$ lbs.



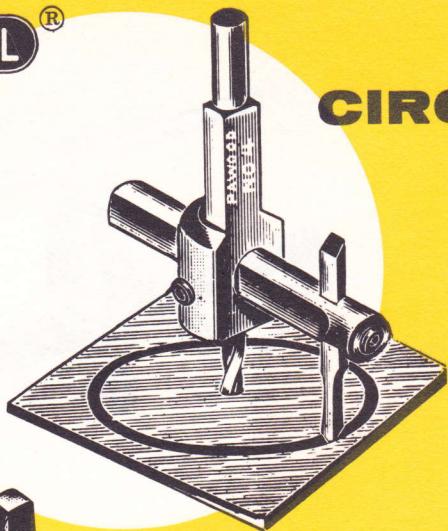
SPRING TYPE TUBING BENDERS

For easy and quick bending of copper and other thin wall tubing without kinking or collapsing. Made of special oil-hardened spring steel and cadmium plated.

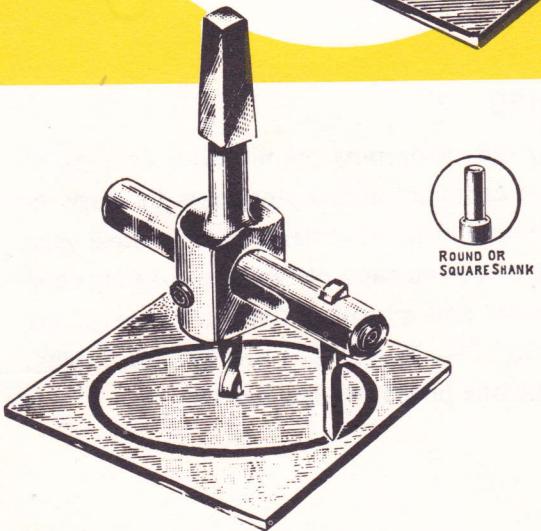
NO. S-106 Set of six assorted sizes in Plastic Bag. Weight 2 lbs.

Cat. No.	O.D.	Tube Length	Weight Pkg. of 6
100-1/4	$\frac{1}{4}$ "	10"	1/2 lb.
100-5/16	$\frac{5}{16}$ "	10"	1 lb.
100-3/8	$\frac{3}{8}$ "	10"	1 $\frac{1}{4}$ lb.
100-7/16	$\frac{7}{16}$ "	12"	1 $\frac{3}{4}$ lb.
100-1/2	$\frac{1}{2}$ "	12"	2 $\frac{3}{4}$ lb.
100-5/8	$\frac{5}{8}$ "	12"	3 $\frac{1}{4}$ lb.



AMERICAN MADE
CIRCLE and HOLE CUTTERS**NO. 4 CIRCLE CUTTER**

Combined Round and Square Shank circle cutter for Drill Chuck or Bit Brace. For cutting holes $\frac{7}{8}$ " to 4" diameters in metal, wood, plastic and other materials. Has $\frac{3}{16}$ " Tool Steel Cutter Bit, and $1\frac{1}{64}$ " drill. Individually boxed with Hex Wrench. Weight 5 ounces.

**NO. 5 CIRCLE CUTTERS**

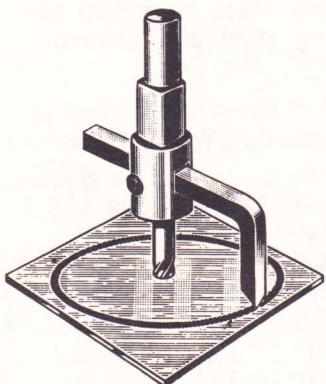
Popular industrial type Circle Cutters, adjustable from 1" to $5\frac{1}{2}$ " diameter. For cutting metals, plastics, wood, hardboards, and other materials. Equipped with a $\frac{3}{16}$ " Tool Steel Bit, and $\frac{1}{4}$ " Pilot Drill. Made in 3 sizes.

No. 5-A with Square shank for Bit Brace

No. 5-B with $\frac{5}{16}$ " Round Shank for Drill Chuck

No. 5-C with $\frac{1}{2}$ " Round Shank for Drill Chuck

Individually boxed with Hex Wrench. Weight 8 oz.

**NO. 00-JR.**

A lightweight junior mechanic's circle cutter for use with Hand Drill or Bit Brace. For cutting wood, plywood, hard rubber, fiber, plastics and other light materials. Has a Carbon Steel Blade and $1\frac{1}{64}$ " drill.

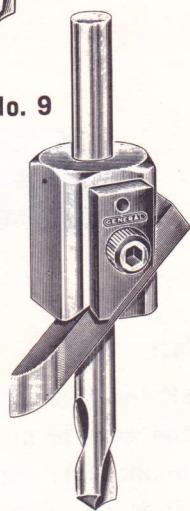
NOT TO BE USED IN ELECTRIC TOOLS

Individually boxed. Weight 2 ounces.

HOLE CUTTERS

A new line of hole cutters has been added to the popular General and Pawood Circle Cutters. For cutting wood, metals, plastics, fibreglass, hardboards and similar materials.

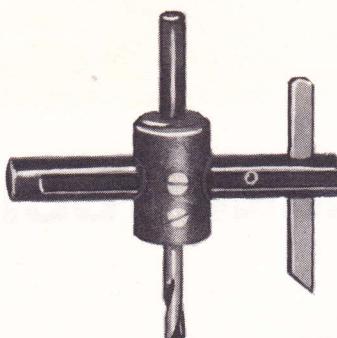
Equipped with a heavy duty steel body, tool steel Pilot Drill and High Speed Cobalt Alloy Steel Cutter Bit. Easily and securely adjusted with Allen Type socket wrench which is included. Can be used with any standard Drill Press or Power Drill.

**No. 8****No. 9****MADE IN 2 SIZES**

No. 8 Capacity $\frac{7}{8}$ " to $1\frac{1}{2}$ " diameter. Equipped with $\frac{3}{16}$ " Alloy Steel Bit and $\frac{1}{4}$ " Drill. Individually boxed. Weight 3 ounces.

No. 9 Capacity $1\frac{1}{4}$ " to $2\frac{1}{2}$ " diameter. Equipped with $\frac{5}{16}$ " Alloy Steel Bit and $\frac{5}{16}$ " Drill. Individually boxed. Weight 7 ounces.

Cutter Blades and Drills are replaceable. Specify for model or size.

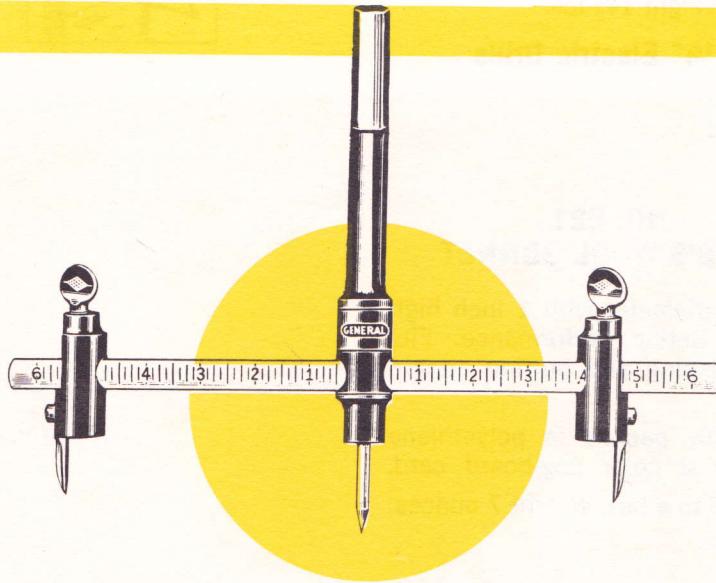
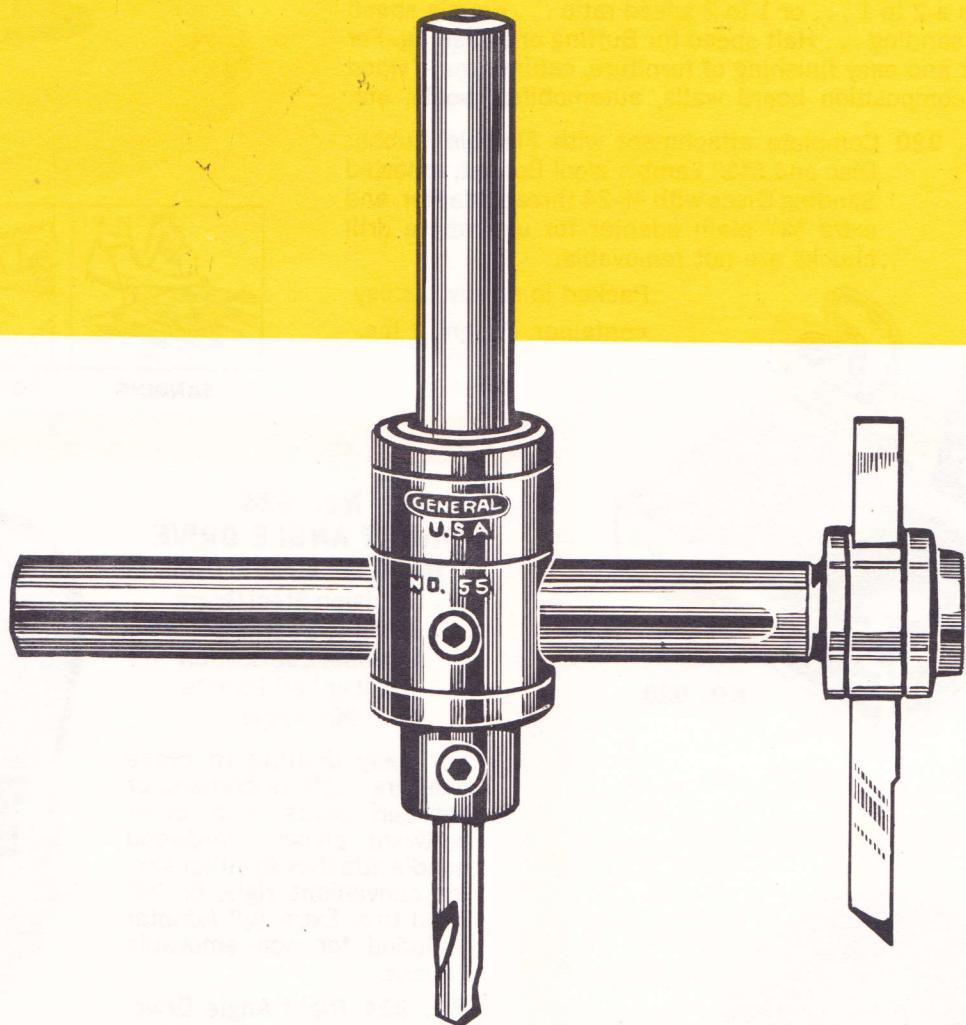
**NO. 3**

A moderate priced cutter with $\frac{1}{4}$ " Round Shank for use with Hand or Power Drills, in cutting holes in light metals, wood, plastics, plywood, etc. Has a $\frac{3}{16}$ " ground tool steel bit and $1\frac{1}{64}$ " Pilot Drill. Individually carded, packed 6 to a box. Weight 1 $\frac{1}{8}$ lbs. per box.

GENERAL[®] CIRCLE CUTTERS

NO. 55 HEAVY DUTY CIRCLE CUTTER

with $\frac{1}{2}$ " diameter Round Shank for Drill Press use. Adjustable for making $1\frac{3}{4}$ " to 8" holes in steel, brass, aluminum, plastics, wood, hardboards, and other materials. Complete with $\frac{1}{4}$ " High Speed Steel Cutter Bit and $\frac{1}{4}$ " Drill and Hex Wrench. Individually boxed. Weight 12 ounces.



NO. 11 WASHER & GASKET CUTTER

For cutting washers and gaskets of leather, rubber, cork, graphite and asbestos packing, copper and other similar soft materials. Made of steel with graduated beam or crossbar, with 2 adjustable blade holders and hardened tool steel blades, and center pilot pin. Combination round and square shank permits use with Bit Brace, Hand Drill or Drill Press. Adjustable from $\frac{1}{2}$ " to $6\frac{1}{2}$ " diameters. Individually boxed. Weight 7 ounces.

NO. 920 SANDING and BUFFING ATTACHMENT

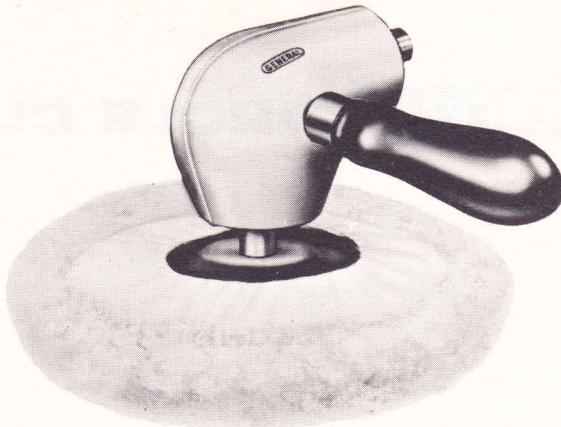
2 Speeds — Right or Left Handle — Aluminum Casting Precision Steel Gears — Oilite Bearings — Lifetime Lubrication. Can be used with all $\frac{1}{4}$ inch electric drills. Has a 2 to 1 . . . or 1 to 2 speed ratio . . . double speed for sanding . . . Half speed for Buffing or Polishing. For fast and easy finishing of furniture, cabinet work, wood or composition board walls, automobiles, boats, etc.

NO. 920 Complete attachment with Flexible Rubber Disc and $5\frac{1}{2}$ " Lamb's Wool Bonnet, assorted Sanding Discs with $\frac{3}{8}$ -24 thread adapter, and extra $\frac{1}{4}$ " plain adapter for use where drill chucks are not removable.

Packed in sturdy display container. Weight 2 lbs.



NO. 920



SANDING

POLISHING

BUFFING

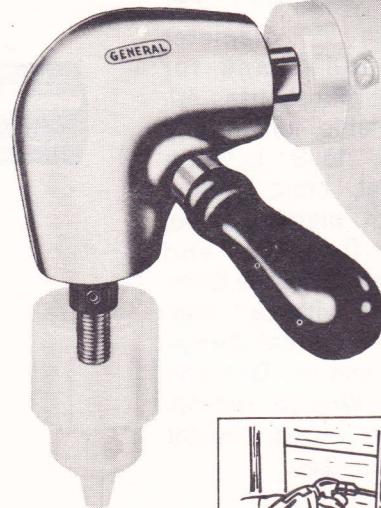
NO. 924 RIGHT ANGLE DRIVE for all $1/4$ " Electric Drills

Precision Steel Gears
Oilite Bearings
Lifetime Lubrication
Right or Left Handle
 90° Angle

For easy drilling in close quarters such as corners, or between studs, and other awkward places. Hardwood handle attaches to either side for convenient right or left hand use. Extra $\frac{1}{4}$ " Adapter included for non-removable chucks.

NO. 924 Right Angle Drive. Packed in sturdy display container. Weight $1\frac{1}{2}$ lbs.

for all $1/4$ " Electric Drills



NO. 921 LAMB'S WOOL BONNET

$5\frac{1}{2}$ inch diameter with 1 inch high pile for Better Performance. Fits most polishing and buffing attachments.

Individually packed in polyethylene bag with 2 color peg-board card. Packed, 6 to a box. Weight 7 ounces.

GENERAL®

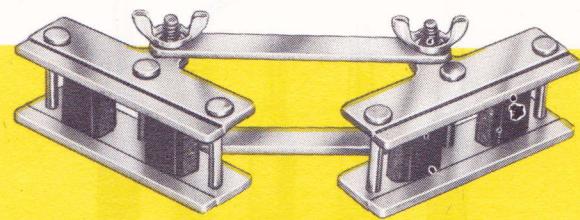
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.



**NO. 375
Adjustable WELDING LINKS**

For holding steel plates and parts in position when welding, brazing or soldering. Eliminates clamps and other temporary holding devices. 2 heavy duty Alnico Magnetic Blocks, 2" long and 1" square, linked together with 2 nickel plated bars with wing nuts for easy angle adjustment. Welders and shop mechanics have frequent need for them and find them very useful especially when used in multiples.

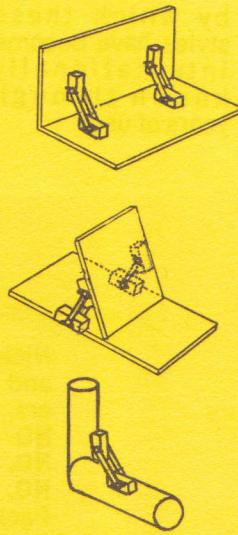
NO. 375 One set to box, Weight 1½ lbs.



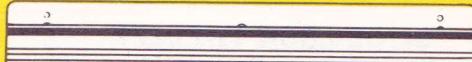
**NO. 376
Adjustable WELDING LINKS**

For holding steel plates, tubing, pipe, bars, and other steel parts in position for welding, brazing, soldering, or assembling. Eliminates screw clamps and other fasteners. Two heavy duty magnetic fixtures linked together with two nickel plated bars and quick adjusting wing nuts. Each block 3½" x 1¼" x 1½" high.

NO. 376 Wt. 1¼ lbs.

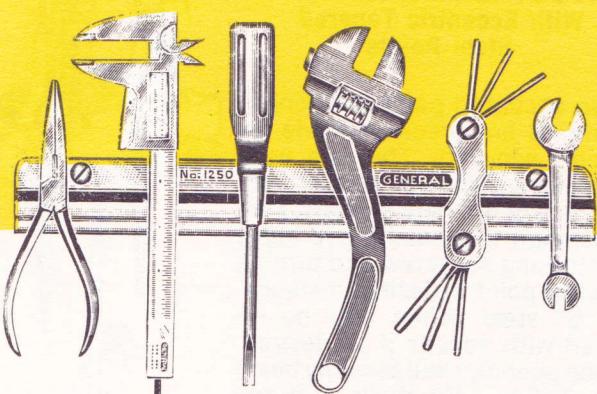


NO. 1250 MAGNETIC TOOL RACK



Just the thing for kitchen knives and many other utensils. Keep tools handy, safe, and within easy reach. May be mounted in parallel for holding extra large or heavy tools. Attractively finished in Chrome Plate, with screws for attaching to wall, workbench or pegboard.

NO. 1250 12" Magnetic Rack. 6 to a carton. Weight 4 lbs.



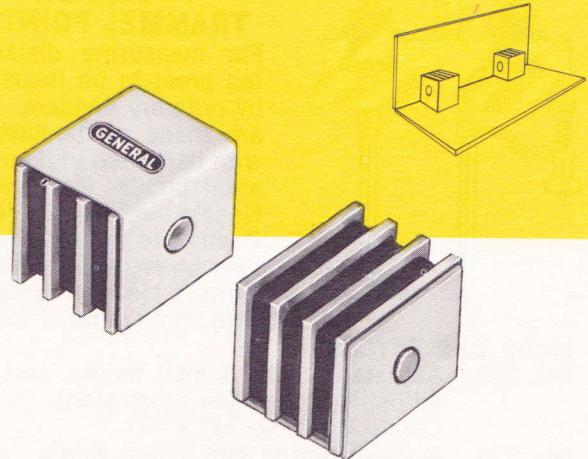
NO CLIPS
NO HOOKS
NO SLOTS
NO FASTENERS



**NO. 377-2
MAGNETIC WORK POSITIONERS**

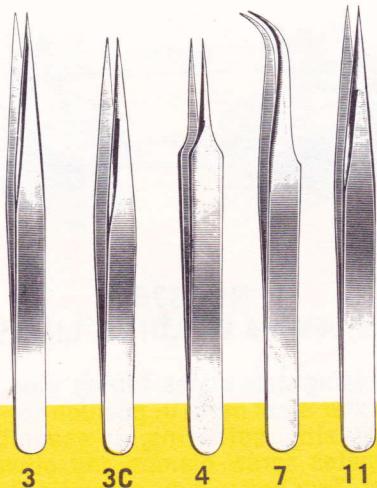
Mechanics find frequent and many uses for these handy blocks such as positioning or holding of parts on Drill Press Tables, Saw Tables, and other equipment. For temporary clamping of steel parts when soldering, brazing or welding. Each clamp has three magnetic sides with a polished brass cover. Each positioner 1" x 7/8" x 13/16" high.

NO. 377-2 Packed one pair to box.



AMERICAN MADE PRECISION TWEEZERS

GENERAL®



SWISS OR DUMONT PATTERN

Light tension, hardened points for sub-miniature assemblies.

STAINLESS STEEL

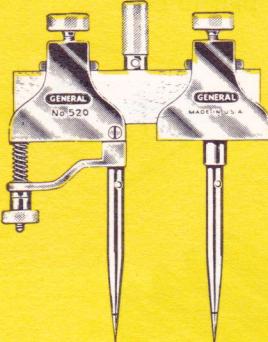
NO. 423-3	Very fine point	4 $\frac{5}{8}$ " long
NO. 423-3C	Very fine point	4 $\frac{1}{8}$ " long
NO. 423-4	Extra fine point	4 $\frac{1}{4}$ " long
NO. 423-7	Curved fine point	4 $\frac{1}{2}$ " long

NON-MAGNETIC STAINLESS STEEL

NO. NM-425-3C	Very fine point	4 $\frac{1}{8}$ " long
NO. NM-425-4	Extra fine point	4 $\frac{1}{4}$ " long

NON-MAGNETIC SILICON BRONZE

NO. NM-425-11	Very fine point	4 $\frac{5}{8}$ " long
Packed 6 to a box. Weight 6 ounces		



MADE IN 2 STYLES

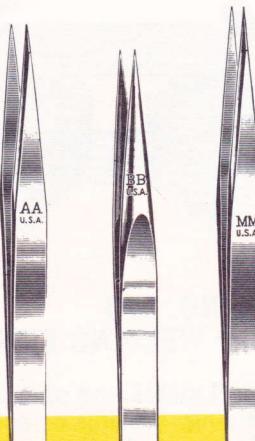
NO. 520	Adjustable with 3 inch points, and fine adjusting screw (as illustrated). Clamp Opening: 3/8" x 3/4"
NO. 522	Non-adjustable with 3 inch points Packed 1 set to a box. Weight per set, 6 ozs.

PRECISION TRAMMEL POINTS

For measuring distances too great to be measured by ordinary dividers. They are made of die-castings with hardened and ground steel points. Replaceable Needle Points available. Points are removable and may be replaced with the Pencil Holder supplied with the Trammel Set.

For Electronic, Computer, Instrument, Radio and other small or subminiature assembly servicing and repairs.

NOTE: Final Number or Letter at the end of each style number denotes the "CODE NUMBER" by which these styles have become internationally known through years of use.



BOLEY PATTERN

Nickel plated hardened points. For radio, television and other repairs. Also used by jewelers, watchmakers, instrument assemblers, etc.

NO. 401-AA	Strong Bevel Points	5" long
NO. 401-BB	Light, fine, hollow point	4 $\frac{1}{2}$ " long
NO. 401-MM	Very fine point	5 $\frac{1}{8}$ " long

Packed 6 to a box. Weight 8 ounces



SLIDE-LOCK TWEEZER Inspection or Parts-Holding

Nickel plated, with double file-cut serrated points and finger-grip ribs. Slide-Lock holds parts firmly.

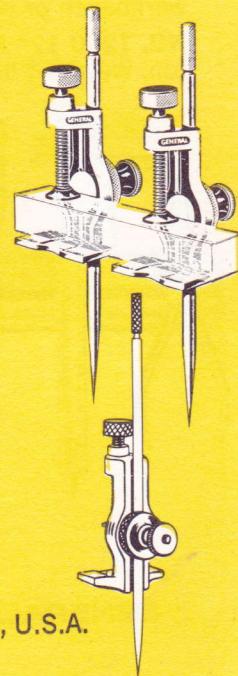
NO. 401-L	Serrated Point	5 $\frac{3}{4}$ " long
Packed 6 to a box. Weight 8 ounces.		

ADJUSTABLE TRAMMELS

With Eccentric Tapered Steel Points

These eccentric point (off-center) Trammels are precision-made for extreme accuracy. They are used to measure distances greater than the range of ordinary dividers. Fine adjustment in measuring is made by releasing set screw and turning the steel point to desired distance. The 6" steel points may be replaced with pencils if so desired. Clamp openings will take any beam from 3/4" to 1 $\frac{1}{8}$ " thick, and any width and length.

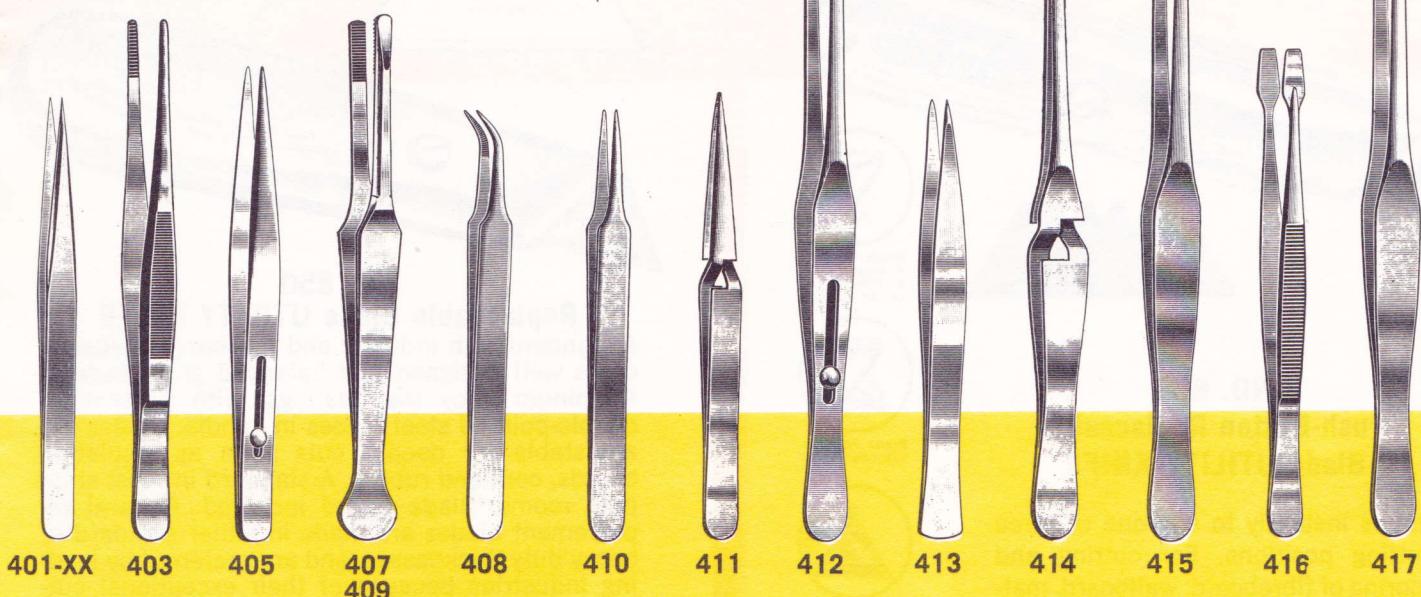
NO. 523	Packed 1 set to a box. Weight per set, 8 ounces.
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GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

INDUSTRIAL & HOBBYCRAFT TWEEZERS

AMERICAN MADE



GENERAL[®]

UTILITY TWEEZERS Nickel Plated

These moderately priced Tweezers are suitable for fine assembly work, soldering and numerous other uses. They are preferred by mechanics, toolmakers, jewelers, watchmakers and homecraftsman.

CATALOG NO.	STYLE	Length
401-XX	Strong sharp points, plated	4½"
403	Blunt serrated points, plated	6"
405	Slide Lock, medium sharp points, plated	4¾"
407	Soldering, Blunt Points (Plain finish)	4"
408	Sharp Bent Points, plated	4¼"
409	Soldering, Blunt Points (Plain finish)	6"
410	Narrow Sharp Points, plated	4¼"
411	Self-Closing, Sharp Points, plated	4¾"
412	Slide-Lock, Blunt Points, plated	6½"
413	Light, Medium Sharp Points, plated	4¼"
414	Self-Closing, Blunt Serrated Points, plated	6¼"
415	Extra Long, Curved Smooth Points, plated	6½"
416	Spade Points for Stamps, etc., plated	4½"
417	Extra Long, Straight Smooth Points, plated	6½"



DISPLAY CARD NO. C-419
UTILITY TWEEZERS

12 Assorted Utility or Common Tweezers on display card consisting of Nos. 407, 408, 410, 413, 416 tweezers. Weight 1 lb.



DISPLAY CARD NO. C-420
INDUSTRIAL TWEEZERS

12 Assorted Industrial Tweezers on display card consisting of Nos. 401, 403, 412, 414, 415, 417 tweezers. Weight 1¼" lbs.

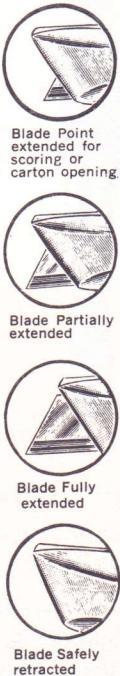
GENERAL® UTILITY KNIVES



NO. 855 Push-Button Replaceable Blade UTILITY KNIFE

Opens instantly to any one of three cutting positions. For cutting and scoring of fibreboard, wallboard, mat-board, roofing, linoleum, carpet, plasterboard, veneers, and other materials. Has 5 heavy duty alloy steel blades in handle. Licensed under Patent No. 3,107,426.

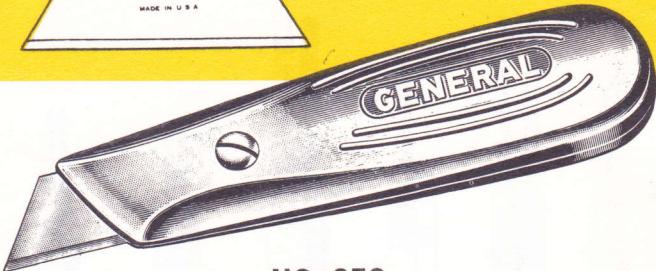
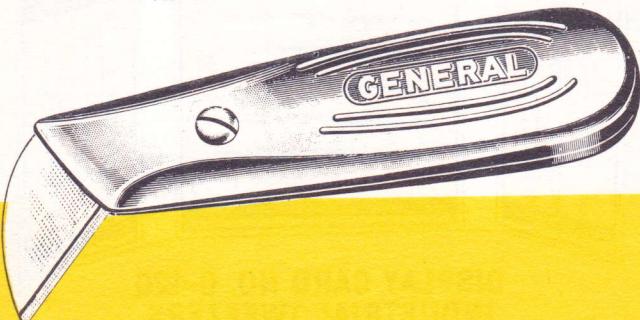
NO. 855 Individually carded for peg-board display. Packed 6 to box. Weight 1½ lbs.



NO. 853 Replaceable Blade LINOLEUM KNIFE

Five replaceable heavy-duty Hook Blades in handle. Sharp, economical replaceable alloy steel blades for cutting linoleum and other similar materials.

NO. 853 Individually boxed, 6 to a box. Weight 1½ lbs.



NO. 850 Replaceable Blade UTILITY KNIFE

A standard with industry and mechanics because of its well designed and balanced grip. Made of Aluminum Alloy Die Castings, with 5 standard double-pointed steel blades in handle. Blades are adjustable for deeper cuts such as insulation boards, cork and rubber. A standard in most shipping rooms. Blade Guard included. General replacement blades are made in either standard or heavy duty thicknesses, and are preferred by leading industries because of their exceptional cutting quality.

NO. 850 Individually boxed, 6 to a box. Weight 1½ lbs.

REPLACEMENT UTILITY KNIFE BLADES

Made of the finest alloy razor blade steel, in several thicknesses:

STANDARD .017" Thick BLADES

NO. 851/5 Package of 5 Blades (10 pkgs. to a box, or display card, specify)

NO. 851/100 Box of 100 blades (bulk)

HEAVY DUTY .025 Thick BLADES

NO. 852/5 Package of 5 blades (10 pkgs. to box or display card, specify)

NO. 852/100 Box of 100 blades (bulk)

LINOLEUM BLADES .025" Thick BLADES

NO. 854/5 Package of 5 blades (10 pkgs. to box)

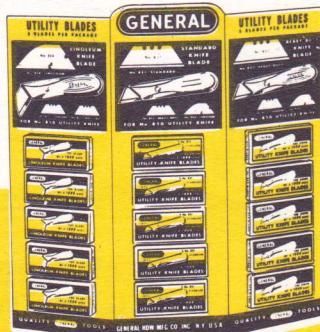
NO. 854/100 Box of 100 blades (bulk)

HOOK BLADES — .025" THICK

NO. 857/5 For linoleum, roofing, floor tile, etc. Package of 5 blades (10 pkgs. to box)

NO. 857/50

Box of 50 blades (bulk)



2 color counter card (as illustrated) with 5 pkgs. of each No. 851, 852 and 854.

Utility Blade DISPLAY CARD NO. 856/5

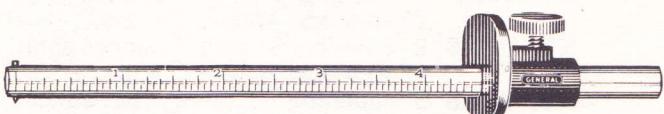
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

**NO. 890****Adjustable FILE and TOOL HANDLE**

Patent No. 2,479,661

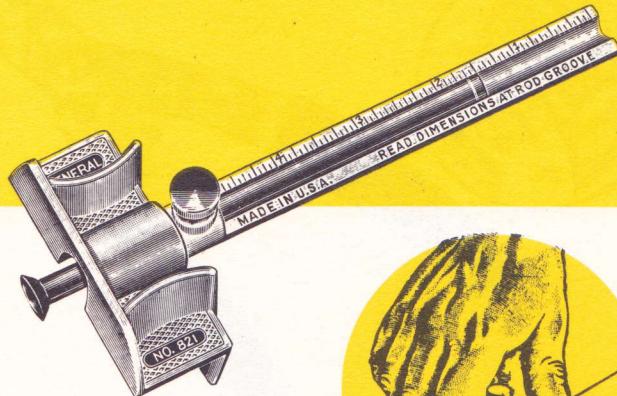
For holding Files, Knife Blades, Reamers, Hack Saw Blades and other tang handle tools. Exclusive self-equalizing hardened steel jaws grip the entire length of inserted tang or blade, providing a firm and vise-like grip. All parts are steel with exception of the hardwood handle. Large knurled knob assures easy and positive locking. Most mechanics have need for several of these handles. Size: 4 1/8" long x 1" diameter

NO. 890 6 to a Display card. Packed 12 to a box.
Weight 2 3/4 lbs.
Conforms to Govt. Specs.

**NO. 820 Single Bar MARKING GAGE**

Die Cast head with Nickel Plated 6" graduated Steel Bar. The Needle Point marking bar can be positioned and locked to desired distance with a knurled screw. A well-made tool, moderately priced.

NO. 820 Individually Carded or boxed (specify)
Packed, 6 to a box. Weight 1 1/2 lbs.

**NO. 821 Adjustable
MARKING GAGE**

New improved model Cast Aluminum Marking Gage is easily adjusted for fast and accurate marking on wood, plastics, hardboards, linoleum and other materials. Adjustable steel bar can be extended to the desired marking distance as shown on graduated scale. Round Tool Steel Blade may be rotated to a new or sharper edge when necessary, and may be eventually be resharpened on an oil stone, or even with emery or garnet paper. Blade retracts when not in use.

NO. 821 Marking Gage, graduated in 16th of an inch.

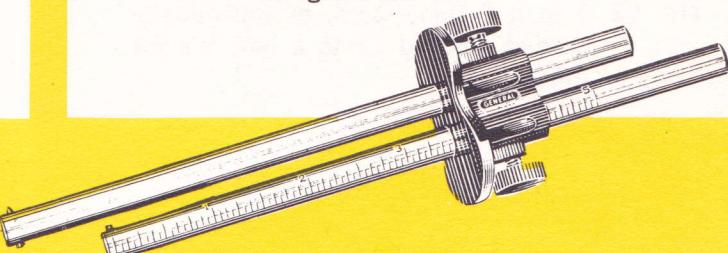
Individually carded with instructions, for Peg-Board or counter. Packed, 6 to a box. Weight 2 lbs.

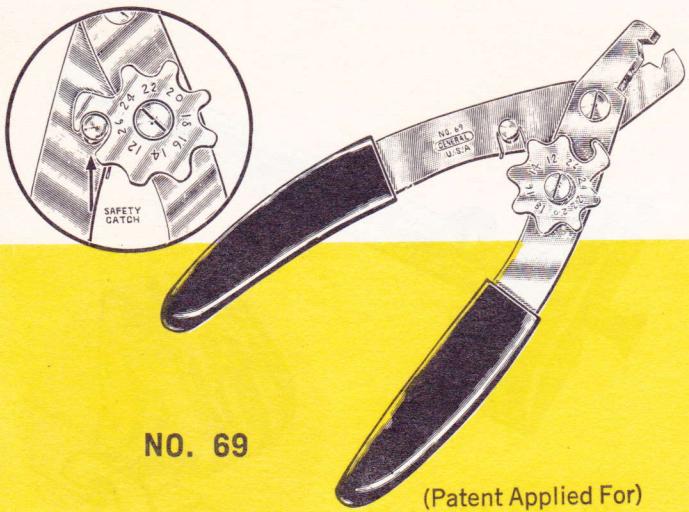
NO. 821-MM Marking Gage, graduated in Millimeters. Individually carded with instructions, for Pegboard or Counter Display. Packed, 6 to a box, Weight 2 lbs.

**NO. 822 Double Bar
MARKING and MORTISING GAGE**

Die-Cast head with 2 Nickel-Plated Steel Bars having 6 inches of graduations. Needle Point Bars can be positioned to desired distances, and locked with knurled screws. Carpenters, woodworkers and homecraftsmen find frequent need for this tool, especially where repetitive markings are desired.

NO. 822 Individually boxed. Packed, 6 to a box.
Weight 3 lbs.





NO. 69

(Patent Applied For)

WIRE STRIPPER AND CUTTER WITH DIAL ADJUSTMENT SPRING OPENING

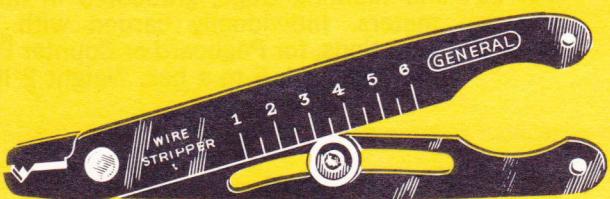
Just dial the wire size desired — #12 to #26 — and stripper is ready for individual or repetitive stripping without damage to wire.

SPRING OPENING for fast and easy cutting or stripping

Tapered and Hardened Jaws — gets into close corners when necessary

Vinyl Insulated Handles — cushions the hands
Dial Lock securely closes stripper for complete protection when carried in pocket or tool chest. Only 5½" long.

NO. 69 Individually carded, packed 6 to a box.
Weight 1¼ lbs.

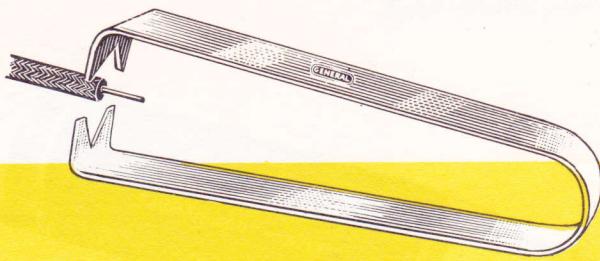


NO. 68 ADJUSTABLE WIRE STRIPPER AND CUTTER

(Patent No. 2,760,390)

A handy wire stripper and cutter made of hardened tool steel. Slide Lock adjustment avoids damaging of wire when used for repetitive stripping. 5 inches long. Black Oxide finish.

NO. 68 6 to a Display Card, or Individually Carded. Packed 12 to a box. Weight 2¼ lbs.



NO. 65 JIFFY WIRE STRIPPER

For the home craftsman and hobbyist. A Squeeze — a Twist — a Pull — and the wire is stripped. Made of hardened spring steel.

NO. 65 Packed 24 to a Display Container.
Weight 2 lbs.



NO. 892 SPRING CLAMPS

For firmly holding together various parts or materials such as wood, metal, plastics, cloth, etc. when cutting, machining, gluing or fastening. Clamps have heavy duty tension springs, and are Cadmium Plated.

NO. 892-A 1" opening, 4" long, 3 ounces each, 12 to a box. Weight 1½ lbs.

NO. 892-B 2" opening, 6" long, 7 ounces each, 12 to a box. Weight 4¾ lbs.

NO. 892-C 3" opening, 9" long, 12 ounces each, 6 to a box. Weight 4¾ lbs.

NO. 806 JIFFY CENTERING PUNCH

For quickly starting screw holes when attaching countersunk hardware such as hinges, hasps, hangers, drawer pulls and other countersunk hardware. Made of steel, cadmium plated, with spring positioning hardened steel pin. Simply place punch in countersunk screw hole — tap plunger pin — and screw hole will be absolutely centered and straight.

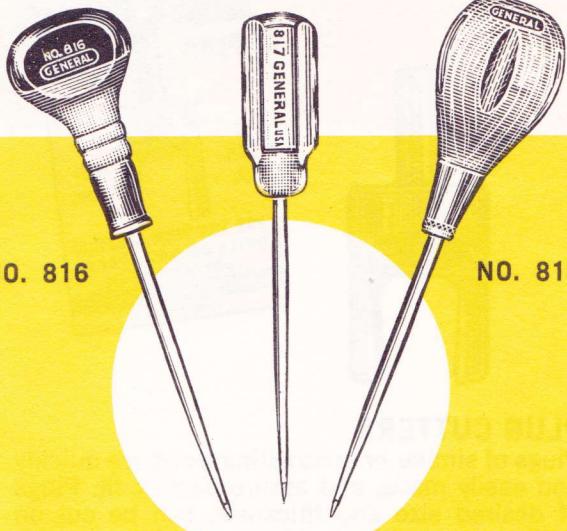
NO. 806 12 to a Display Card, or Individually carded. Packed 12 to a box.
Weight 1 lb.



GENERAL®

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

NO. 817



NO. 816

NO. 818

SCRATCH AWLS

All General Scratch Awls have blades of hardened and ground tool steel. They are made in several styles to meet the requirements of certain trades.

NO. 816 3½" Blade (6½" overall length) with 2-color wood handle and nickel plated steel ferrule. A moderate priced quality tool. Packed 6 to a box. Weight ¾ lb.

NO. 817 3½" Blade (5½" overall length) with fluted plastic handle. Moderate in price. Packed 6 to a box. Weight ¾ lb.

NO. 818 3½" Blade (6½" overall length) Finest quality. With full length blade through hardwood handle. Permanently attached to plated screw machine steel ferrule and cap. Packed 6 to a box. Weight 1 lb.

NO. 819 ALL-STEEL

SCRATCH AWL AND ALIGNING TOOL

A heavy duty tool steel scribing and marking tool. Also used for lining up of screw and bolt holes in assembly, erecting of shelves, etc. An absolute necessity for electricians in lining up and installing conduits, switch boxes, plates, etc. Overall length 8 inches. Point length 2¾". Point ¾" tapering back to ¼". Weight 5 ounces.

NO. 819 Packed 3 to a box. Weight 1 lb.



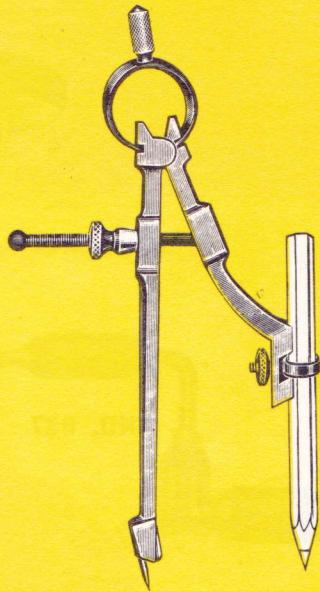
GENERAL HARDWARE
MANUFACTURING CO. INC.

NEW YORK, N. Y. 10013, U.S.A.

NO. 842 PENCIL COMPASS, DIVIDER AND SCRIBER

For students, artists, draftsmen, carpenters, floorlayers, and other craftsmen. A handy well-made die cast, non-corrosive compass. Moderate in price, and supplied with a pencil. Will also hold slim-type Ball Point Pens.

NO. 842 Individually carded for Pegboard or counter. Packed 12 to a box. Weight 1¾ lbs.



NO. 843 PENCIL COMPASS AND SCRIBER

For the carpenter, floorlayer, cabinetmaker. For contour marking and scribing. Full length hardened steel pin in metal frame gives greater rigidity. Wing Nut permits easy adjustment. (Without pencil)

NO. 843 Packed one dozen to a display card. Weight 1 lb.

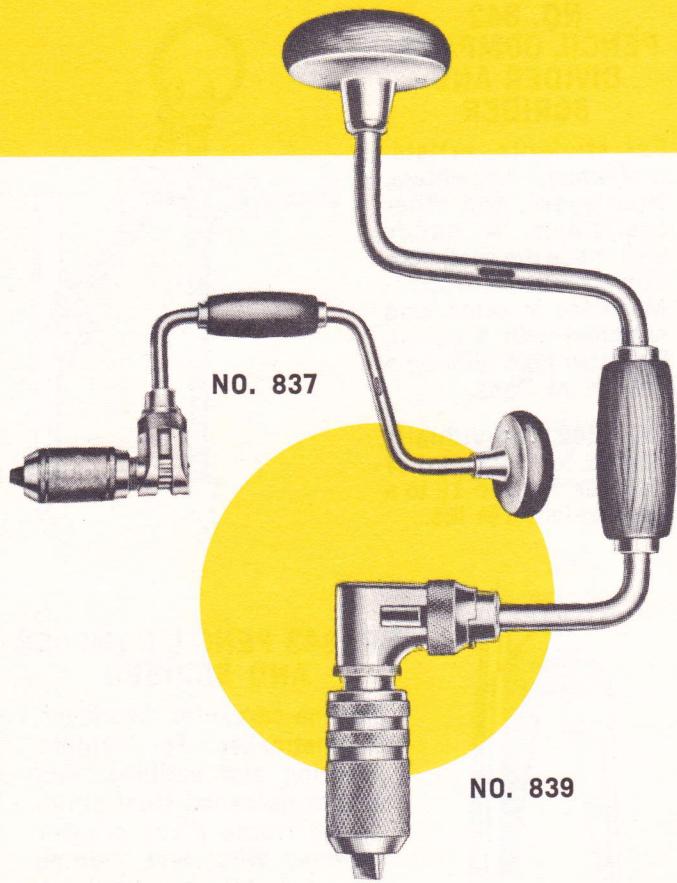


NO. 1225 JIFFY 4-way SCREWDRIVER and KEY CHAIN

A handy little screw driver and key holder for the car, purse or pocket. Has 4 different size blades for both slotted and recessed type screws. Small but so handy for tightening windshield and window screws to eliminate rattles. Also for opening friction cap cans, etc. Nickel plated.

NO. 1225 One dozen to a Display Card. Weight 12 ounces.



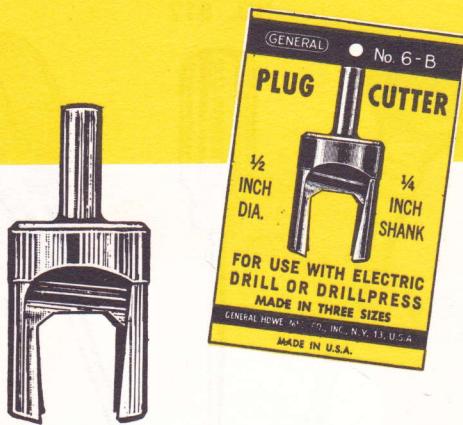


RATCHET BIT BRACES

NO. 837 A 10 inch sweep, moderately priced Bit Brace with open ratchet. Has a half-inch diameter polished steel frame with hardwood head and handle. Self-centering chuck has a capacity of $\frac{1}{8}$ " to $\frac{1}{2}$ ".

Packed 3 to a carton. Weight 8 $\frac{1}{4}$ lbs.

NO. 839 10 inch finest quality brace with closed or box type ratchet. Self-centering chuck has a capacity of $\frac{1}{8}$ " to $\frac{1}{2}$ ". All exposed metal parts are fully polished and nickel plated. Has a half-inch diameter steel frame, a ball-bearing movement, with hardwood head and handle. Packed 2 to a carton. Weight 5 $\frac{1}{2}$ lbs.



PLUG CUTTERS

Plugs of similar or contrasting wood are quickly and easily made, and assure perfect fit. Plugs of desired size and thickness can be cut on drill press or with electric hand drill.

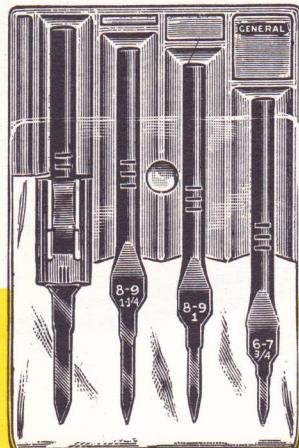
Made of hardened alloy tool steel.
Made in 3 sizes with $\frac{1}{4}$ " shanks.
Individually carded.

NO. 6-A $\frac{3}{8}$ " diameter weight 2 $\frac{1}{2}$ ounces
NO. 6-B $\frac{1}{2}$ " diameter weight 2 $\frac{1}{2}$ ounces
NO. 6-C $\frac{5}{8}$ " diameter weight 3 ounces
 Packed 6 to a box. Weight 1 lb. May be assorted.

NO. S-10 Adjustable COUNTERSINK and SCREW DRILL

Accurate screw holes can be quickly and easily drilled with an electric drill, hand drill, or brace. A very handy set for the carpenter, cabinet maker and home craftsman. Set consists of 4 popular size bits with an adjustable depth gage for making flush, countersunk or plug depth holes. Made for Nos. 6, 7, 8, 9, 10 and 12 wood screws. Set consists of 4 bits and depth gage in vinyl case, individually carded with instructions. Weight per set 4 ounces.

NO. S-10 Packed 6 sets to a box.
Weight 1 $\frac{1}{2}$ lbs.



GENERAL®

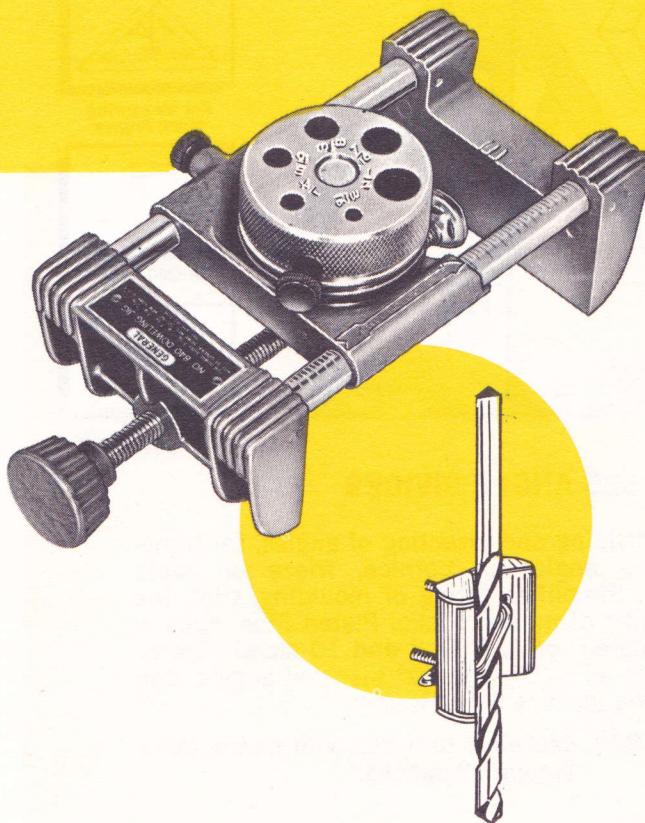
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

NO. 840 DOWELING JIG

Makes drilling of dowel holes in wood and other materials simple and easy. Revolving turret is quickly adjusted and eliminates loss of loose sleeves and parts. Takes wood up to 4 inches in width. Turret Holes are made for standard size drill bits in $\frac{3}{16}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ inch sizes. Body is made of strong die castings with nickel plated steel connecting rods; revolving turret is machined of steel. Complete with Auger or Drill Bit Stop No. 841, and instructions.

NO. 840 Packed 1 to a box. Weight 2 $\frac{3}{4}$ lbs.

NO. 841 Auger Bit Stops. Packed 6 to a box. Weight 1 $\frac{1}{2}$ lbs.



**NO. 870
CARBIDE TIPPED MASONRY DRILLS
for $\frac{1}{4}$ " Electric Drills**

Fast and easy drilling in concrete, brick, tile, stone and other similar materials. Husky tungsten-carbide tips are brazed to drill steel bits, and ground to size. Fast spiral flutes assure quick dust removal without clogging. Made in 5 popular sizes, individually packed in plastic containers.

NO. 870- $\frac{3}{16}$ $\frac{3}{16}$ " diameter 4" long
NO. 870- $\frac{1}{4}$ $\frac{1}{4}$ " diameter 4" long
NO. 870- $\frac{5}{16}$ $\frac{5}{16}$ " diameter 4" long
NO. 870- $\frac{3}{8}$ $\frac{3}{8}$ " diameter 4" long
NO. 870- $\frac{1}{2}$ $\frac{1}{2}$ " diameter 4" long
NO. S-870 Set of 4 drills ($\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{1}{2}$) in Vinyl Plastic Case. Packed 1 set to box. Weight 6 oz.

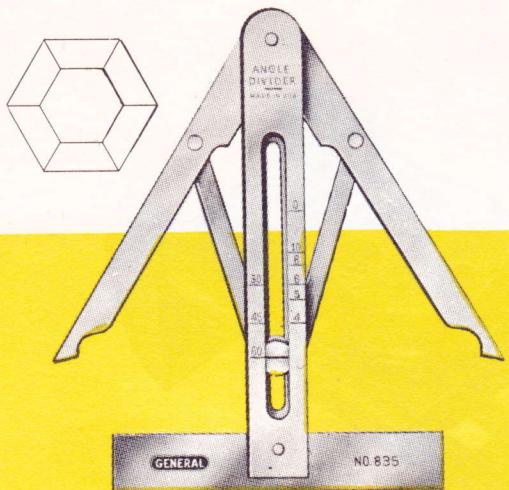


NO. 888 DOWEL CENTERS

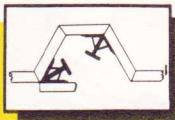
For fast and accurate doweling. Mark and drill holes in one section of wood. Insert correct size dowel centers and position to opposite section. Tap slightly and dowel centers will be accurately centered for drilling of the dowel holes. Made of steel, nickel plated. Each set has 2 each of these sizes, $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " diameters and are packed in a hinged plastic box.

NO. 888 Packed 12 sets to a display box. Weight 1 $\frac{3}{4}$ lbs.





For Measuring
Mitre Angles



For Odd Angles



For Transferring
Angles

NO. 835 ANGLE DIVIDER

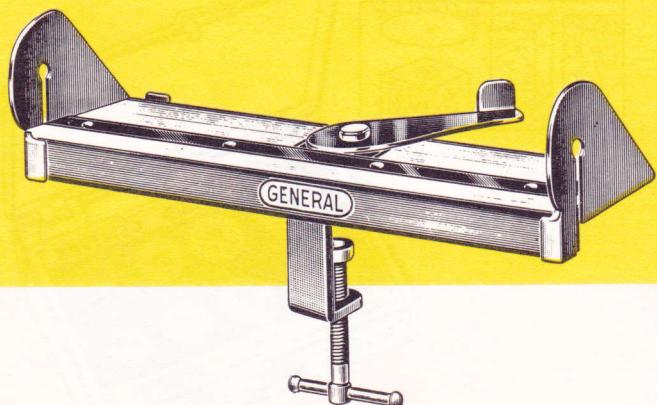
For dividing and bisecting of angles, for transferring angles in cornice, frieze or gable work. Simplifies fitting of moulding, trim, the marking of miters. Nickel Plated Steel body is graduated for 4, 5, 6, 8 and 10 sided figures, and in 30°, 45°, and 60° bisected angles. Can also be used as a Try-Square.

NO. 835 Packed 1 to a box with instructions.
Weight 12 ounces.

NO. 828 SAW VISE

Improved design and made of heavy gage welded steel. Has ample width of 11 inches. Friction rubber strip eliminates chattering and slipping of saw blade. Cam Lever permits quick and positive locking of saw in vise. Side brackets have rounded slots to eliminate any damage to saw teeth. Folding Screw Clamp attaches to any bench top or board up to 1 3/4". Finished in baked enamel; size 11" wide, 3 1/2" deep, 4" high.

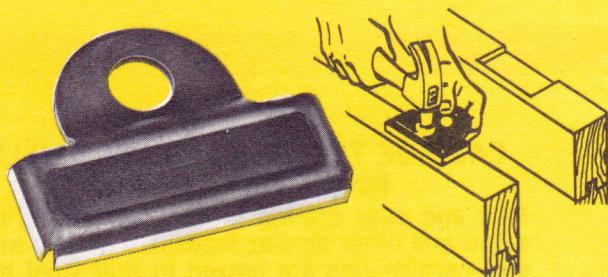
NO. 828 Packed 1 to a box. Weight 3 1/4 lbs.



NO. 824 Adjustable BUTT GAGE

For marking position and thickness of butts on both doors and door jambs. For marking locations of locks, lock strikes, etc. May also be used as a square. 3 separate adjustable heat-treated marking cutters permit the hanging of a number of doors without the necessity of changing the butt gage dimensions. Silver-Lustre Finish.

NO. 824 Packed 1 to a box with instructions.
Weight 10 ounces.



NO. 823 BUTT MARKING GAGE

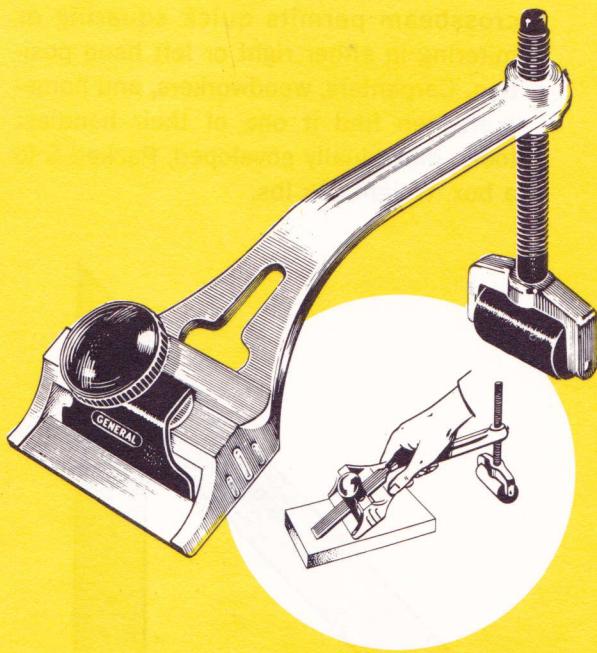
For locating and marking position of butts on doors and door jambs. Simply hold Butt Gage firmly at marked position, and strike with a hammer so that all three blade edges set in firmly. To remove gage, simply press down on handle. Then chisel out wood within marked space. Made of forged tool steel, hardened, with ground cutting edges. Individually packed in plastic container.

MADE IN 3 SIZES

- NO. 823-3** 3" butt gage, weight 4 ounces
- NO. 823-3 1/2** 3 1/2" butt gage, weight 5 ounces
- NO. 823-4** 4" butt gage, weight 6 ounces

Packed, 6 to a box, (may be assorted) weight 2 1/4 lbs.

GENERAL®



NO. 810 CHISEL and PLANE BLADE SHARPENER

Keeps blades razor-sharp, and to the correct original bevel or angle. Sturdy die-cast frame with easy insertion spring clamp, and threaded adjustable roller frame. Has a blade capacity up to $2\frac{5}{8}$ inches. Preferably used with an Oil Stone, or even an emery cloth, by simply adjusting roller screw so that original bevel of blade lies flat on the oil stone, with roller on table or bench surface. A few back and forth strokes quickly sharpens blade.

NO. 810 Packed one to a box. Weight 2 lbs.



NO. 809 NAIL SETS

Made of tool steel and uniformly heat-treated for maximum strength and toughness. Points carefully machined and cupped to correct size. Body is deeply knurled and has a square non-rolling head.

MADE IN 5 SIZES 4" long and $1\frac{1}{32}$ " diameter

NO. 809-1/32 (A) 1/32" dia. Cup Point

NO. 809-2/32 (B) 2/32" dia. Cup Point

NO. 809-3/32 (C) 3/32" dia. Cup Point

NO. 809-4/32 (D) 4/32" dia. Cup Point

NO. 809-5/32 (E) 5/32" dia. Cup Point

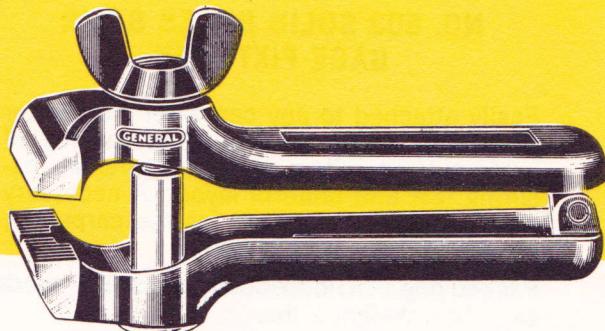
Packed 12 to a box. Weight 1 lb.

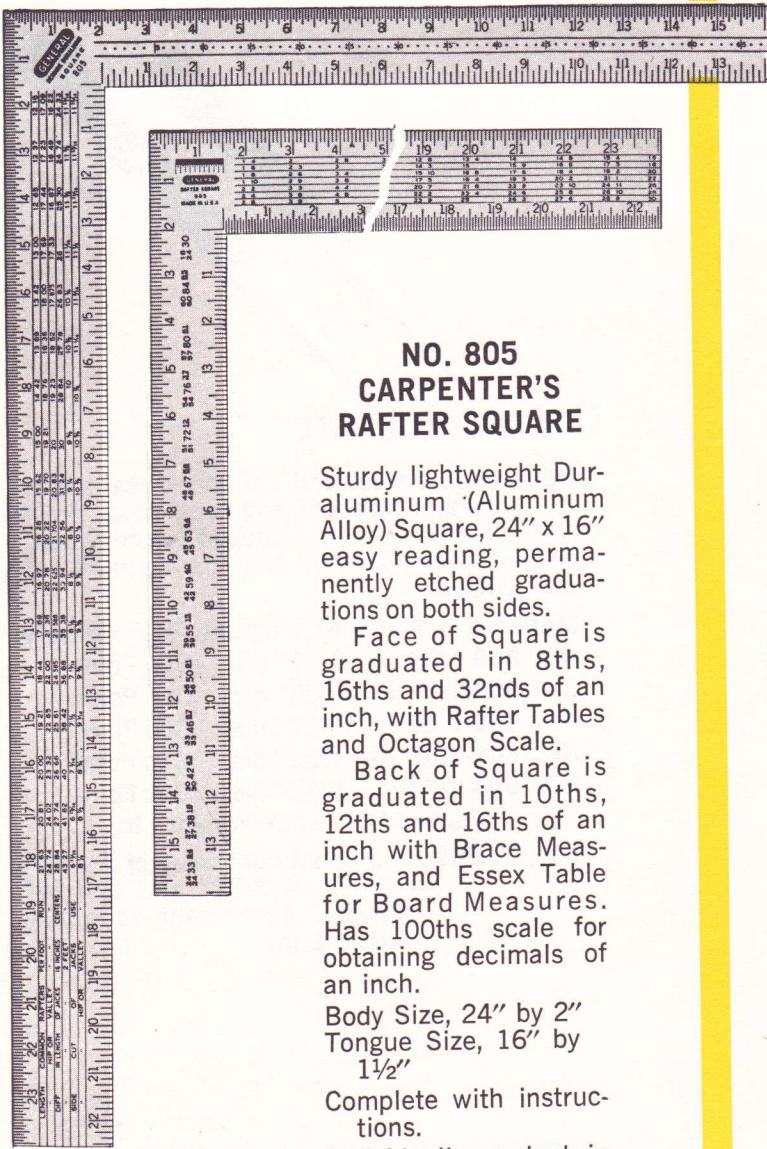
NO. AS-809 Assortment consisting of 2 $1\frac{1}{32}$ ", 4 $2\frac{1}{32}$ ", 4 $3\frac{1}{32}$ " and 2 $4\frac{1}{32}$ ". Packed 1 assortment to a box, Weight 1 lb.

NO. 815 Adjustable HAND VISE

Has many uses for modelmakers, jewelers, toolmakers, machine shops, and for assembly work in general. Malleable iron jaws have machined serrations. Has spring tension wing nut adjustment. Jaw width $1\frac{1}{2}$ "; Jaw Opening $1\frac{1}{4}$ "; Overall length 5".

NO. 815 Packed one to a box. Weight 12 ozs.





NO. 805 CARPENTER'S RAFTER SQUARE

Sturdy lightweight Dur-aluminum (Aluminum Alloy) Square, 24" x 16" easy reading, permanently etched graduations on both sides.

Face of Square is graduated in 8ths, 16ths and 32nds of an inch, with Rafter Tables and Octagon Scale.

Back of Square is graduated in 10ths, 12ths and 16ths of an inch with Brace Measures, and Essex Table for Board Measures. Has 100ths scale for obtaining decimals of an inch.

Body Size, 24" by 2"
Tongue Size, 16" by
1½"

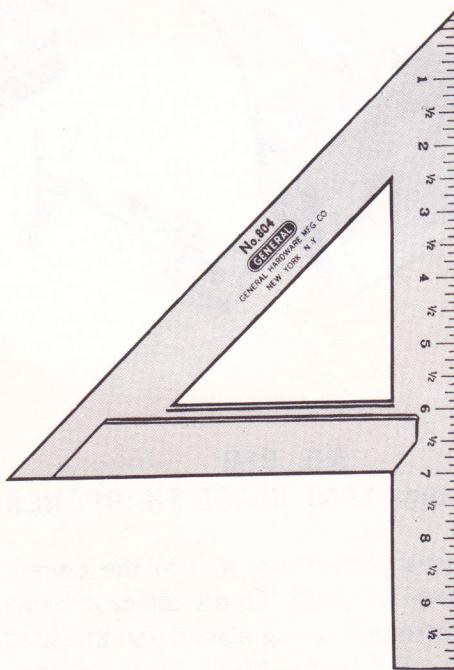
Complete with instructions.

Individually packed in Plastic Sleeves,
Weight 2 lbs.

Packed, 6 to a box,
Weight 12 lbs.

NO. 804 SQUARE and MITRE

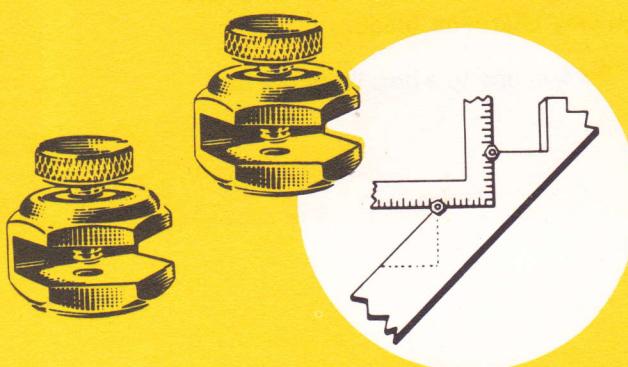
Mitre Square, nickel plated heavy gage steel with 10 inch scale graduated in 8ths on both sides. Welded double-flange crossbeam permits quick squaring or mitering in either right or left hand position. Carpenters, woodworkers, and home-craftsmen find it one of their handiest tools. Individually enveloped, Packed 6 to a box. Weight 2½ lbs.



NO. 803 SOLID BRASS STAIR GAGE FIXTURES

Easily attached to any carpenter's or Rafter Square for repetitive gaging or making of angle cuts on rafters, stair stringers, etc. assuring fast and uniform layout. A necessary time-saving set of gages for the carpenter, builder and homecraftsman.

Packed one pair, individually carded, 6 cards to a box. Weight 2 lbs.



GENERAL®

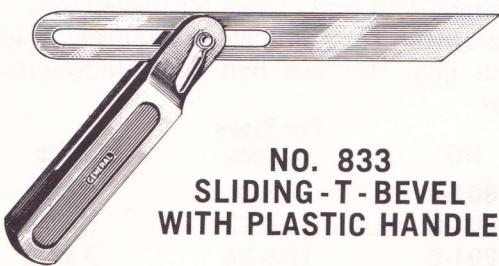
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N.Y. 10013, U.S.A.



NO. 829
SLIDING-T-BEVEL
with Rosewood Handle and
8 inch Stainless Steel Blade

8 inch Stainless Steel Blade with Brass Trim. Rosewood handle and brass wing nut. Blade locks in any desired angle position for accurate transfer of bevels, angles, mitred ends, etc. Finest professional quality for the carpenter, builder and homecraftsman.

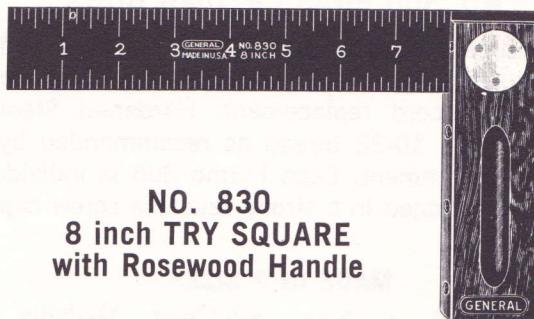
NO. 829 Packed 4 to a box. Weight 1 lb.
Conforms to Govt. Specs.



NO. 833
SLIDING-T-BEVEL
WITH PLASTIC HANDLE

A moderate priced tool for vocational school students, homecraftsmen and carpenters for checking and transferring of bevels, angles, mitered ends, etc. Has an 8 inch blued-steel blade and high-impact plastic handle with brass locking nut.

NO. 833 Packed 6 to a box. Weight 1½ lbs.



NO. 830
8 inch TRY SQUARE
with Rosewood Handle

8 inch black oxide finish steel blade with contrasting white graduations on both sides. Rosewood handle has solid brass face-plate and trim. For the carpenter, builder and homecraftsman who want the best.

NO. 830 Packed 4 to a box. Weight 1¾ lbs.
Conforms to Govt. Specs.



NO. 831 TRY and
MITRE SQUARE
with Plastic Handle

A moderate priced square for vocational school students and homecraftsmen. Has a 7½" blued-steel blade, with contrasting white graduations on both sides. Handle is made of high impact plastic.

NO. 831 Packed 6 to a box. Weight 2 lbs.



NO. 834 ALLSTEEL
SLIDING-T-BEVEL
with 8 inch Stainless Steel
Blade

8 inch Stainless Steel Blade, nickel plated laminated steel body, with thumb screw adjusting rod. An exceptionally well made tool preferred by mechanics for checking and transferring of angles, bevels, mitered ends, etc.

NO. 834 Packed 3 to a box.
Weight 1¾ lbs.



NO. 832
TRY and MITRE SQUARE
with Cast Iron Body

8 inch Black Oxide finish steel blade with contrasting white graduations on both sides. Cast Iron mitered handle with ground edges. A very popular tool with mechanics and homecraftsmen.

NO. 832 Packed 4 to a box.
Weight 3 lbs.

GENERAL®

NO. 800 BRASS PLUMB BOBS

Machined of solid brass, fully polished and lacquered. Removable self-centering cord cap for easy cord replacement. Hardened Steel Point with 10-32 thread as recommended by U.S. government. Each Plumb Bob is individually packaged in a strong reusable screw cap container.

MADE IN 7 SIZES

NO. 800-6	6 oz.	4 $\frac{1}{4}$ " long	1 $\frac{1}{16}$ " dia.
NO. 800-8	8 oz.	4 $\frac{1}{2}$ " long	1 $\frac{3}{16}$ " dia.
NO. 800-10	10 oz.	4 $\frac{3}{4}$ " long	1 $\frac{5}{16}$ " dia.
NO. 800-12	12 oz.	5"	1 $\frac{3}{8}$ " dia.
NO. 800-16	16 oz.	5 $\frac{3}{4}$ " long	1 $\frac{1}{2}$ " dia.
NO. 800-24	24 oz.	6 $\frac{1}{2}$ " long	1 $\frac{11}{16}$ " dia.
NO. 800-32	32 oz.	7 $\frac{1}{2}$ " long	1 $\frac{7}{8}$ " dia.

REPLACEMENT PARTS

NO. 800-P Old Style Point 10-24 thread

NO. 800-NP New Style Point 10-32 thread

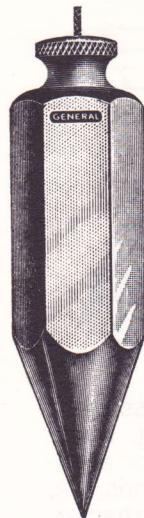
NO. 800-C Cord Cap (without cord)

Conforms to Govt. Spec. GGG-P-501e Type I, Class B



NO. 790 HEXAGON STEEL PLUMB BOBS

Nickel Plated Steel Plumb Bobs for the carpenter, mason, home craftsman and other mechanics. A very popular moderately priced plumb bob made of polished and plated steel with a solid brass Cord Cap.



MADE IN 3 SIZES

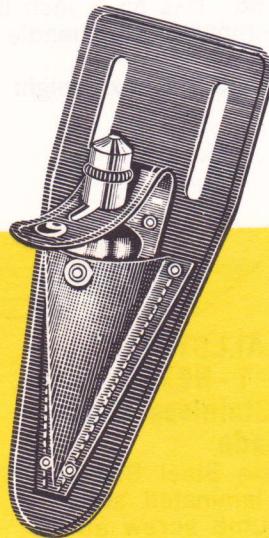
No.	Weight	Size	Length	Per Box
790-5	5 oz.	3 $\frac{1}{4}$ "	3 $\frac{3}{8}$ "	6
790-8	8 oz.	7/8"	3 $\frac{7}{8}$ "	3
790-12	12 oz.	1"	4 $\frac{1}{2}$ "	2

NO. 801 PLUMB BOB SHEATHS

Made of heavy cowhide leather, stitched and reinforced with brass rivets for rugged use. Snap-button retaining strap securely holds plumb bob. Has two belt slots. Individually boxed.

NO.	For Sizes ounces	Weight
801-A	6 & 8	5 oz.
801-B	10 & 12	7 oz.
801-C	16 & 24	9 oz.
801-D	32	9 oz.

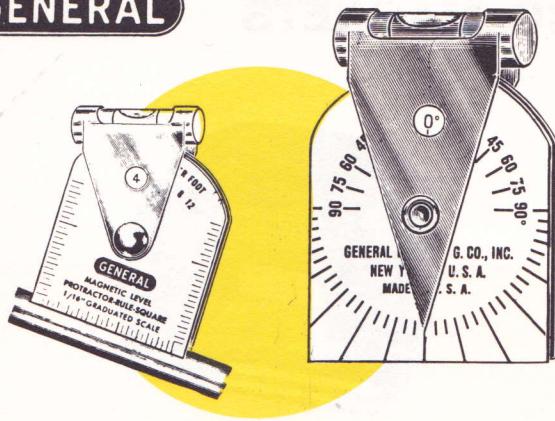
Conforms to Government Specs.



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GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

GENERAL®

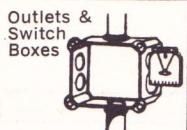
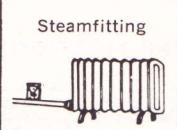
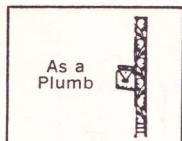
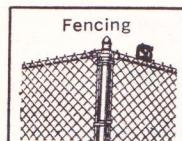


NO. 849 MAGNETIC LEVEL - SQUARE - PROTRACTOR AND PITCH GAGE

A new ingenious Magnetic Pocket Tool combining such desirable features as a level, a square, a protractor, a rise and fall pitch gage and a handy rule. It has 2 magnetic Plumbs and one magnetic edge for reading in various angles. Its accuracy is equivalent to mechanics' and carpenters' levels.

Has an easy reading Protractor Scale graduated in 5 degree increments, and is read by means of the Pointed and Window readings. The reverse side has a Pitch Gage showing the Rise and Fall per Foot in Inches such as desired on steam and radiator pipes, drain pipes, etc. In Vinyl Plastic Case. Individually carded with instructions.

NO. 849 (Standard)
NO. 849mm (metric)
 Packed 6 per box. Weight 2 lbs.

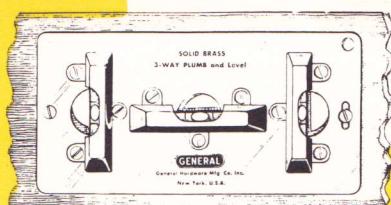


NO. 845 3-WAY PLUMB AND LEVEL

"Make your own Level." Attaches to any length straightedge or straight board. Designed for use as a temporary or extra long level. Especially desirable for use by masons and cement workers. Rustproof, easily attached. Size: 6" x 3"

NO. 845 Individually boxed.
 Packed 6 to a box. Weight 3 lbs.

NO. 845



NO. 844 LINE AND SURFACE LEVEL

A well-made light weight hexagon aluminum level finished in Anodized Brass. Has easy-reading "cat's eye" level, and 2 line hooks. For the builder, carpenter, mason, plumber and other mechanics.

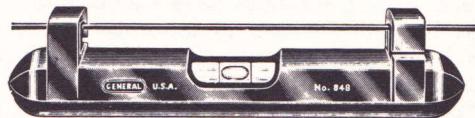
NO. 844 Individually packed in Plastic Tube.
 Packed 12 to a box. Weight 12 ounces.



NO. 846 ALUMINUM LINE LEVEL

A moderate priced, light weight line level in natural finish aluminum. For the carpenter, mechanic and homecraftsman. Weighs less than an ounce — will not sag line. 3" long. Individually carded.

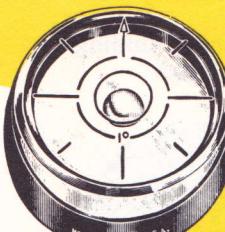
NO. 846 Packed 12 to a box. Weight 10 ounces.



NO. 848 PLASTIC LIFE-TIME LINE LEVEL

Line hooks cannot crush or bend, assuring accurate leveling. Made of acrylic plastic, and exceptionally light in weight thereby minimizing all line sag. $\frac{3}{8}$ " hex by $3\frac{1}{2}$ " long. Individually carded.

NO. 848 Packed 6 to a box. Weight 7 ounces.



NO. 847 BULL'S EYE LEVEL

A circular, all directional level made of unbreakable acrylic plastic. For leveling machines, Hi-Fi Equipment, billiard and pool tables, game tables, electric appliances and many other items which must be level to give their best performance. For Home, Office and Factory.

NO. 847 Individually carded.
 Packed 6 to box. Weight $\frac{1}{2}$ lb.

PERMANENT ALNICO MAGNETS



370-M



370-1



NO. 370-M MINI-MAGNET

NO. 370-1 POCKET MAGNET

A small, yet exceptionally powerful, inspector's magnet has many uses in shops, schools, garages, laboratories and the home. Makes an excellent retrieving tool for small parts such as bolts, nuts, screws, small tools and other ferrous materials from hard-to-get-at places. Quickly sorts steel parts from other materials. A fascinating tool for children. Has a red lacquer finish and supplied with a plated steel keeper.

NO. 370-M 3/4 oz. Packed 12 to carton. Wt. 3/4 lb.

NO. 370-1 1 ounce Magnet, Individually carded. Packed 12 to a Carton, Weight 1 1/4 lbs.

PERMANENT ALNICO POWER MAGNETS

General Power Magnets have exceptionally high magnetic pull for use in laboratories, schools, workshops, garages, etc. They have many important uses such as lifting, holding, sorting, clamping and retrieving of steel and iron parts and numerous other uses as on conveyors, dipping and finishing racks, welding jigs, etc. Has a hole in top for fastening to wall, rack or other object. Finished in red lacquer and supplied with a plated steel keeper. Made in 3 sizes:

NO. 370-2 2 ounce, Individually boxed, Packed 6 to a carton. Weight 1 1/4 lb.

NO. 370-4 4 ounce, Individually boxed, Packed 3 to a carton. Weight 1 1/4 lb.

NO. 370-6 6 ounce, Individually boxed, Packed 3 to a carton. Weight 2 1/2 lb.

NO. AS-1370-10 Magnet Assortment consisting of Six 1-oz., Two 2-oz., One 4-oz, and One 6-oz. magnets in a Display Container, Weight, 2 lbs.

SPECIFICATIONS of Sizes, Dimensions, Holding Power, etc. shown in next column.



HEAVY DUTY ALNICO POWER MAGNETS

Designed for industrial use where high magnetic pull or holding power is required such as finishing racks, holders for air and oil spray lines, retrieving devices, etc. Finished in red lacquer and supplied with plated steel keepers.

MADE IN 4 SIZES

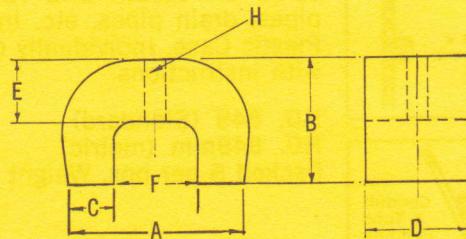
NO. 370-8 8 ounce, Individually boxed, Weight 8 oz.

NO. 370-10 10 ounce, Individually boxed, Weight 10 oz.

NO. 370-12 12 ounce, Individually boxed, Weight 12 oz.

NO. 370-16 16 ounce, Individually boxed, Weight 16 oz.

NO. 370-24 24 ounce, Individually boxed, Weight 24 oz.



SPECIFICATIONS

Cat. No.	Wt.	DIMENSIONS IN INCHES								H.F.*
		A	B	C	D	E	F	H	Lbs.	
370-M	3/4 oz.	7/8"	7/16"	5/16"	5/16"	5/16"	1/4"	—	1 3/4	
370-1	1 oz.	1 1/8"	1"	1/4"	5/16"	3/8"	1/4"	—	2 1/4	
370-2	2 oz.	1 1/8"	13/16"	1/4"	13/16"	7/16"	5/16"	3/16"	13	
370-4	4 oz.	1 1/2"	1"	5/16"	1"	7/16"	7/8"	3/16"	22	
370-6	6 oz.	1 3/4"	1 1/8"	5/16"	1 1/8"	1/2"	1 1/8"	3/16"	30	
370-8	8 oz.	2 3/16"	1 13/16"	1/2"	15/16"	1/2"	1 3/16"	1/4"	30	
370-10	10 oz.	2 7/16"	2"	5/8"	15/16"	1/2"	1 3/16"	1/4"	37	
370-12	12 oz.	2 5/8"	2 1/4"	5/8"	15/16"	1/2"	1 3/8"	1/4"	42	
370-16	16 oz.	3"	2 1/2"	3/4"	15/16"	3/4"	1 1/2"	1/4"	50	
370-24	24 oz.	2 1/2"	1 13/16"	5/8"	17/8"	13/16"	1 3/8"	1/4"	70	

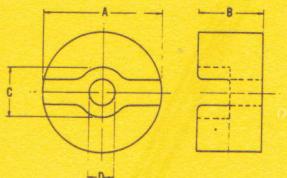
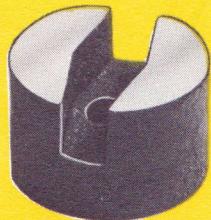
Made in England for General

*Holding Force

GENERAL®

GENERAL® PERMANENT ALNICO MAGNETS

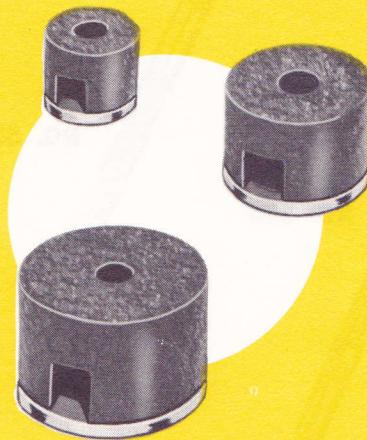
For Laboratory - Shop - School - Office - Home



MADE IN 3 SIZES

Type No.	A Dia.	B High	C Gap	D Hole	*Hold or Pull	Box Quant.	Box Wt.
372-A	1/2"	3/8"	3/16"	5/32"	1 1/2 lbs.	12	4 oz.
372-B	3/4"	1/2"	7/32"	3/16"	4 lbs.	6	6 oz.
372-C	1"	5/8"	7/32"	3/16"	6 1/2 lbs.	6	8 oz.
372-D	1 1/4"	3/4"	3/8"	3/16"	14 lbs.	3	12 oz.
372-E	1 1/2"	7/8"	5/8"	1/4"	18 1/2 lbs.	3	21 oz.

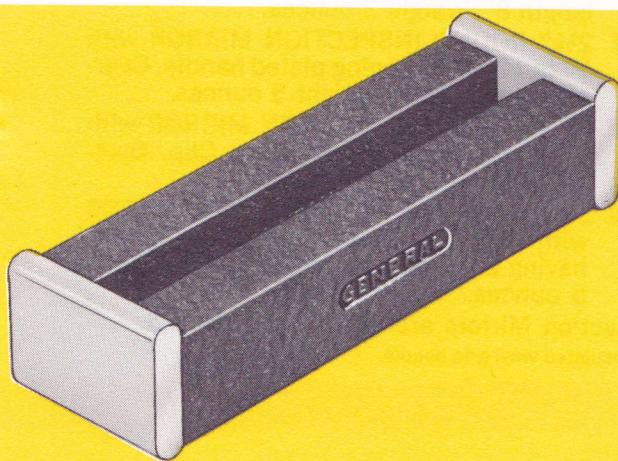
Made in England for General



NO. 372 BUTTON TYPE MAGNETS

Small but powerful, these cast Alnico Button Magnets have unlimited applications such as magnetic fasteners, displays, bulletin boards, retrieving tools, etc. For holding maps, charts, prints, etc. to steel partitions, shelves, machines . . . anything made of steel or iron. Has a center hole for easy attaching. Supplied with keepers.

Made in England for General



NO. 373 BAR TYPE MAGNETS

May be used singly, in pairs, and end-to-end multiples. Set consists of 2 Alnico bars, finished in red lacquer, and supplied with 2 nickel plated Keepers. Dimensions shown are for single bars.

MADE IN 2 SIZES

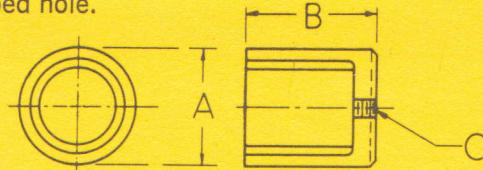
No.	Size	Width	Height	Length	Packed	Box Wt.
373-2	2"	5/8"	3/8"	2"	set of 2	6 oz.
373-3	3"	5/8"	3/8"	3"	set of 2	8 oz.

Made in England for General



NO. 374 POT TYPE MAGNETS

These heavy duty circular type magnets have many industrial uses such as positioning fixtures or work holders on machines, conveyers, checkout counter chain holders, bases for tools, inspection mirrors, protection shields, etc. All Pot Magnets have 1/4-20 tapped hole.

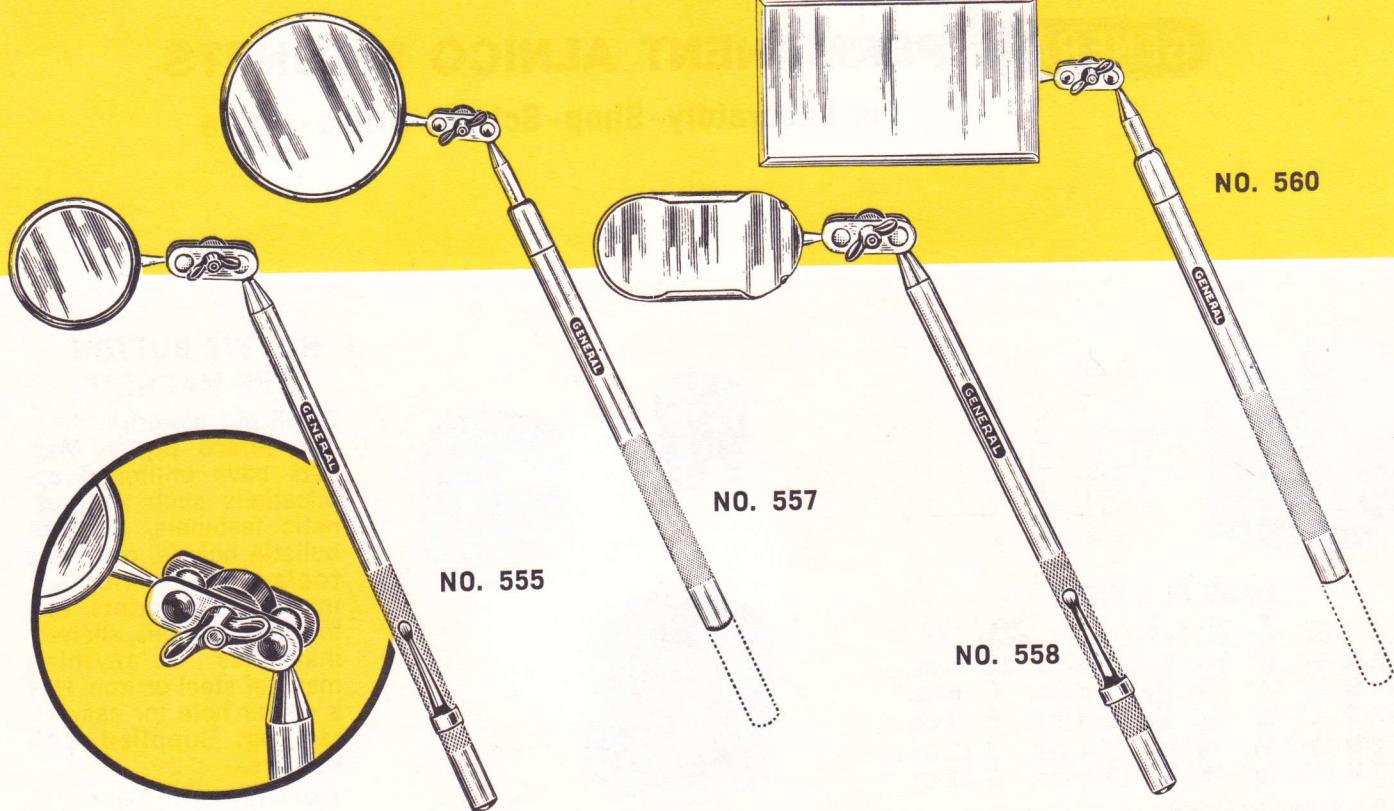


MADE IN 3 SIZES

Type No.	A Dia.	B High	C Hole Depth	Tapped Hole	*Hold or Pull	Box Quant.	Box Wt.
374-A	1 1/16"	5/8"	1/8"	1/4-20	6 1/2 lbs.	6	6 oz.
374-B	1 3/16"	3/4"	5/32"	1/4-20	10 lbs.	3	6 oz.
374-C	1 1/16"	1"	5/32"	1/4-20	18 1/2 lbs.	3	12 oz.
374-D	1 3/8"	1 3/16"	3/16"	1/4-20	35 lbs.	3	24 oz.

Made in England for General

***NOTE:** Hold or pulling power is approximate, and depends upon surface flatness, smoothness, finish and ferrous content, and under normal working conditions and temperatures of not over 400°C, will retain magnetic force indefinitely. When permanently attaching magnets to steel partitions or other objects it is advisable to insulate and attach them with brass, aluminum or other non-ferrous fasteners, otherwise holding power may be considerably reduced.



INSPECTION MIRRORS

Polished Mirrors . . . Ball and Socket Joint . . . Wing Nut Adjustment. No tools needed. For easy visibility of hard-to-see work and assemblies. A time-saving accessory for toolmakers, assemblers, inspectors and mechanics. Fully polished mirrors are enclosed in plated holders which are attached to finger-grip handles.

Replacement Mirrors for No. 558 and No. 560 are available.

NO. RM-558 Packed, 1/2 dozen to box, Weight 4 oz.
NO. RM-560 Packed, 1/2 dozen to box, Weight 7 oz.

NO. 555 1" ROUND INSPECTION MIRROR with 6" plated handle and Pocket Clip. Overall length 8". Weight 3 ounces.

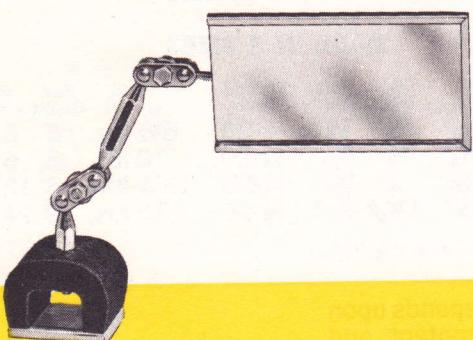
***NO. 557** 2 1/4" ROUND INSPECTION MIRROR with 7" to 12" Telescoping plated handle. Overall length 14 1/2". Weight 5 ounces.

NO. 558 2" x 1" OVAL INSPECTION MIRROR with 6" plated handle and Pocket Clip. Overall length 9". Weight 3 ounces.

***NO. 560** 3 1/2" x 2" OBLONG INSPECTION MIRROR with 7" to 12" Telescoping plated handle, having an overall length of 15 3/4". Weight 5 ounces.

All Inspection Mirrors are individually packed.

* With insulated vinyl grip handle.



NO. MB-560 INSPECTION MIRROR with MAGNETIC BASE

Adjustable 3 1/2" x 2" Oblong Inspection Mirror attached to a Permanent Alnico Magnet. Attaches to any steel or iron machine tool, appliance or other equipment. Has easy wing-nut ball-joint adjustment.

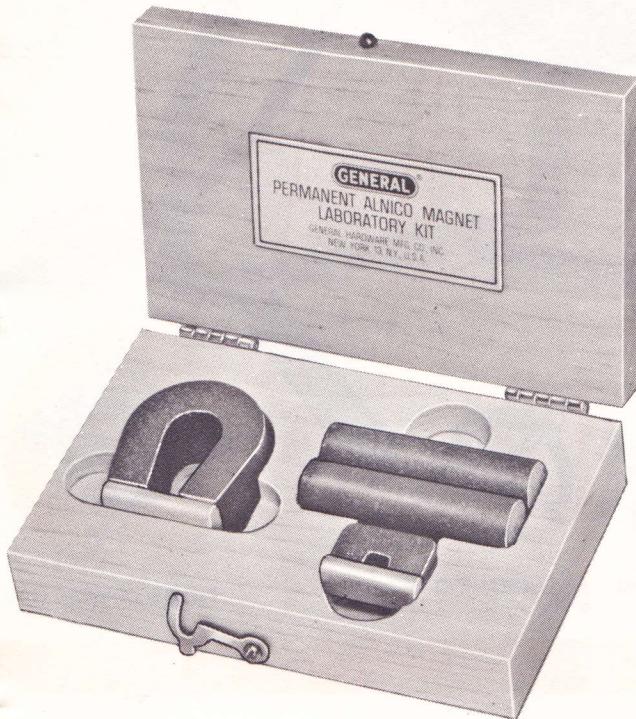
NO. MB-560 Packed one to a box, Weight 8 ounces.

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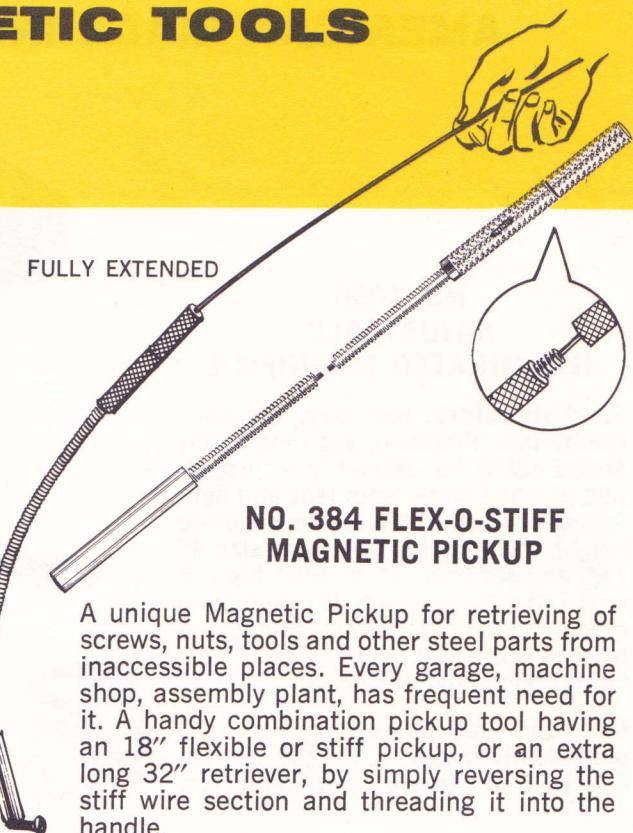
MAGNETS and MAGNETIC TOOLS



**NO. 390 PERMANENT ALNICO
MAGNETIC LABORATORY KIT**

An assortment of Permanent Alnico Magnets designed for laboratory use in schools, colleges and other institutions for demonstrating the principle of permanent magnets of various shapes, the plotting of magnetic fields, etc. Kit consists of a 3 ounce horseshoe magnet, a small half-ounce bridge or minor magnet, and two 2 x 1/2" diameter bar magnets in a wood case.

NO. 390 Packed 1 kit to a box, Weight 14 oz.



**NO. 384 FLEX-O-STIFF
MAGNETIC PICKUP**

A unique Magnetic Pickup for retrieving of screws, nuts, tools and other steel parts from inaccessible places. Every garage, machine shop, assembly plant, has frequent need for it. A handy combination pickup tool having an 18" flexible or stiff pickup, or an extra long 32" retriever, by simply reversing the stiff wire section and threading it into the handle.

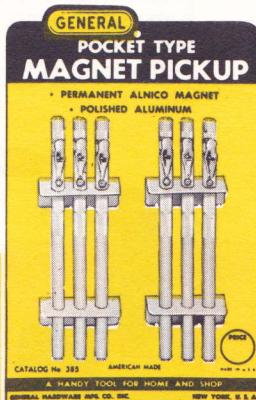
NO. 384 Individually carded. Packed 6 to a box, Weight 1 3/4 lbs.



**NO. 385
POCKET MAGNETIC PICKUP**

A powerful permanent Alnico Magnet in a knurled aluminum holder with pocket clip. One of the handiest tools for the machinist, drill press operator, assemblers, servicemen, and all mechanics. For retrieving of small tools, nuts, bolts, etc. from inaccessible places. For removing steel chips from drilled holes, etc.

NO. 385 6 to a Display Card or individually carded (specify). Packed 6 to a box, Weight 10 oz.



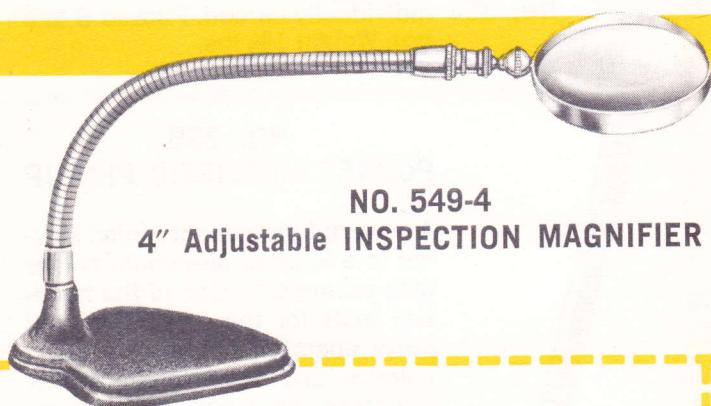
GENERAL®

AMERICAN MADE INSPECTION MAGNIFIERS

NO. 1050 ADJUSTABLE ILLUMINATED MAGNIFIER

For Laboratory, Industry, Schools, Hobby use. Practical, yet moderately priced stand for assembly or inspection of small parts. Both lens and light frame adjust separately to required height and visual range. Lens size 4" x 2" adjusts from 1" to 6½" high. 7 watt 115 Volt lamp. 6 ft. U.L. approved cord with on/off switch. Sturdy extruded aluminum stand 5" x 5" x 5". Folds compactly for storage.

NO. 1050 Illuminated Magnifier
Individually boxed... Weight 1¼ lbs.
Packed 6 to carton.... Weight 8 lbs.



NO. 549-4 4" Adjustable INSPECTION MAGNIFIER

4" diameter powerful ground and polished lens. Chrome plated flexible gooseneck arm. Ball joint swivel permits easy positioning. Sturdy cast iron base for table or bench use.

NO. 549-4 4" Gooseneck Magnifier. Individually boxed. Weight 3½ lbs.

NO. 567-2 MAGNIFIER on Cast Base

2 inch powerful ground and polished lens adjustable to any position and attached to a cast horseshoe base. For laboratory, school, industry and home. Just the thing for stamp and hobby collectors, subminiature assembly inspections, etc.



NO. 567-2
2" magnifier with Cast Base.
Individually boxed. Weight 1¼ lbs.

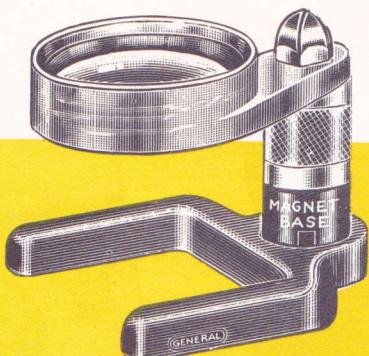
NO. MB-567-2½ Magnetic Base INSPECTION MAGNIFIER

Adjustable 2½ inch 6.50 Dioptr (6" focus) magnifier attached to a powerful Permanent Alnico Magnet that can be attached to any steel machine or appliance. Has easy wing-nut ball joint adjustment. May be attached to a steel plate for use as a base on wood or non-magnetic tables or bench surfaces.



**NO.
MB-567-2½**
2½" Inspection Magnifier
with Magnetic Base.
Individually boxed. Wt. 8 oz.

AMERICAN MADE INSPECTION MAGNIFIERS



NO. 552 MAGNETIC SCALE MAGNIFIER

Powerful permanent alnico magnet permits swiveling on the metal base, or the magnifier may be removed from base and attached directly to other steel machines, appliances, or instruments. Has a 1" diameter, 5.0 Power ground optical glass lens. Although designed for industrial use this magnifier has found many other uses such as stamp, mineral and other hobbies.

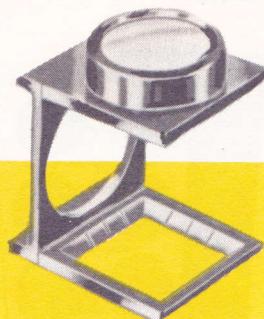
NO. 552 Individually boxed, Packed 6 to a carton, Weight 12 ounces.



NO. 566 Folding DOUBLET MAGNIFIER

Powerful Inspection Magnifier with 2 ground and polished optical glass lenses having a combined 10.0 Power magnification. Black anodized aluminum case with chrome plated covers, and keychain loop.

NO. 566 Doublet Magnifier, Individually boxed, Weight 2 ounces.



NO. 565-LT FOLDING POCKET LINEN TESTER

A flat folding pocket magnifier with a 5.0 Power ground glass lens and a 1" square scale base marked with $\frac{1}{4}$ " graduations. Originally designed for the textile industry for counting of threads and magnifying surface designs and finishes. Extensively used in the printing and other industries wherever sharp, enlarged views are desired.

NO. 565-LT Individually boxed, Weight 2 ozs.

NO. 550 MAGNETIC SCALE MAGNIFIER



For magnifying of graduation lines on Steel Rules, Vernier Calipers, Height Gages, and other instruments, where clear, sharp readings are desired. Has a 1" diameter 5.0 Power magnification. Clear plastic body with powerful permanent Alnico Magnet in base. **NO. 550** Individually carded, Packed 6 to a box, Weight 12 ounces.

NO. 568 Adjustable TRIPOD MAGNIFIER

Two optically ground lenses having a combined 10.0 Power magnification. Lens frame threads into metal base, and may be adjusted for best individual focus or visibility. For Laboratories and Schools — for biology study, surface and other inspections.

NO. 568 Individually boxed, Weight 2 ounces.

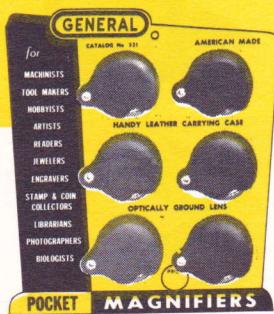
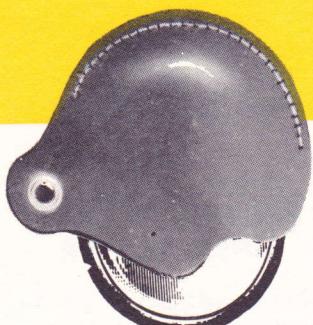


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NEW YORK, N. Y. 10013, U.S.A.

GENERAL® AMERICAN MADE MAGNIFIERS



NO. 531

POCKET MAGNIFIER in Leather Case

A powerful 2.5 Power optically ground and polished glass lens in leather case. A very handy popular priced magnifier for pocket or purse — most everyone has frequent need for one.

NO. 531 6 to a display card, or individually boxed. Packed 6 to a box. Weight 8 ounces.

NO. HB-527, NOS. 527 to 530 EYE LOUPES

Jewelers, watch, tool and instrument makers, laboratory technicians, students and craftsmen find many uses for them.

Lenses are made of clear optical glass, ground and polished to give sharp images with minimum eye fatigue.

EYE LOUPE WITH HEADBAND

Spring steel headband eliminates all strain of holding by facial muscles, especially when used for lengthy periods.

NO. HB-527 5.0 Power 2" Focus
(with Head Band)

***NO. 527** 5.0 Power 2" Focus

***NO. 528** 4.0 Power 2½" Focus

NO. 529 3.3 Power 3" Focus

NO. 529½ 2.7 Power 3½" Focus

NO. 530 2.5 Power 4" Focus

*When ordering, specify whether individually carded or boxed with exception of HB-527, all Eye Loupes are packed 6 to a carton. Weight 8 ounces.



NO. 527 to 530

NO. HB-527



NO. 532 FOLDING POCKET MAGNIFIERS

A powerful 2.5X ground and polished glass lens in folding simulated leather case. A very handy, moderately priced magnifier for pocket or purse.

NO. 532 Individually blister carded for peg-board display. Packed 6 to a box. Weight 10 ounces.

FOLDING POCKET MAGNIFIERS

A favorite for many years with Laboratory Technicians, Engineers, Mechanics, Inspectors and others who prefer a quality ground lens in a compact case. Especially desirable where multiple power magnification is desired such as No. 537 double lens model which has two possible magnifications. Cases and lens rims are made of black moulded plastic.

MADE IN 4 SIZES

Style No.	Number of lenses	Lens. Dia.	Total Magnification	Individual Power
533	Single	1"	5.0	5.0
534	Single	1¼"	4.0	4.0
536	Double	1"	10.0	5.0 & 5.0
537	Double	1¼"	8.0	4.0 & 4.0

Individually boxed, 6 to a carton. Weight 8 ozs.



NO. 533 to 537

GENERAL®

AMERICAN MADE MAGNIFIERS

MAGNIFYING READING GLASSES

Although popularly known and used as Reading Glasses for magnifying or enlarging small type or printed objects, they find many other uses, especially in the office, home and laboratory.

These readers have been designed to be held away from eyes, so as to show a larger magnified surface area to be read or examined.

Lenses are optically ground and polished, with an aluminum rimmed frame and a tapered ribbed plastic handle.

MADE IN 6 SIZES

NO. 540	2" dia. Reader	6.50 Dioptre	6" Focus
NO. 541	2½" dia. Reader	6.50 Dioptre	6" Focus
NO. 542	3" dia. Reader	6.50 Dioptre	6" Focus
NO. 543	3½" dia. Reader	5.00 Dioptre	8" Focus
NO. 544	4" dia. Reader	5.00 Dioptre	8" Focus
NO. 545	4½" dia. Reader	5.00 Dioptre	8" Focus

Individually boxed

NO. S-546-10 Set of 10 Reading Glasses (2 each of Nos. 541, 542, 543, 544 and 545 with Metal Display Stand). Weight 5½ lbs.



NO. S-546-10

OPTICAL TERMS:

DIOPTRE is an optical unit of measurement describing the curve of lens.

The Focal Length (FOCUS) is obtained by dividing the DIOPTRE into 40.

Power of a lens can be obtained by dividing the focal length (FOCUS) into 10.



NO. 548

OBLONG READING GLASS

Powerful 4" x 2" reader made of optically ground and polished glass has the same magnified view as a 4" round glass (5.00 Dioptre) and a Focal Length of 8", without the extra size and weight. The ribbed plastic handle has been angled for easy reading and comfortable holding. Makes an ideal gift.

NO. 548 Individually boxed.
Weight 8 ounces.

GENERAL®

3-Dimensional BINOCULAR MAGNIFIERS

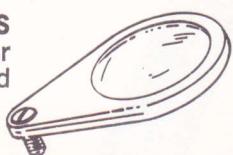


For assemblers and inspectors of electronic and other small or sub-miniature parts, toolmakers, jewelers, engravers, and other craftsmen who need freedom of hands and elimination of eye-strain and fatigue.

- GROUND and POLISHED OPTICAL GLASS LENSES
- PADDED VINYL HEADBAND FOR MAXIMUM COMFORT
- TILTING FLIP-UP LENS FRAME FOR NORMAL VISION
- MAY BE WORN WITH OR WITHOUT PRESCRIPTION GLASSES
- MADE OF U. S. ROYALITE PLASTIC

EXTRA MONOLOUPE LENS
may be attached to either side of Lens Plate for added power to existing lens.

Model ML-1000



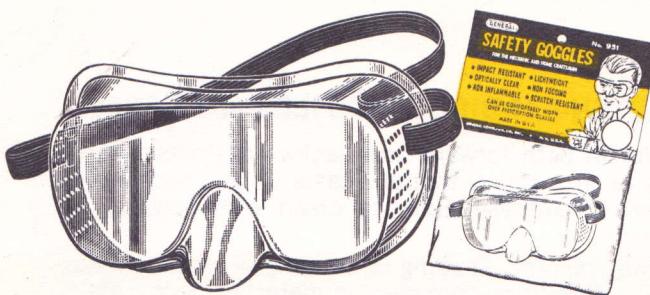
Lenses and all parts are American Made
Ground glass lenses are inserted in plastic frame and attached to Tilt-Up headpiece.
Close-up magnification with both hands free.
Focal distance depends on power or strength of lenses, when used by persons having normal or corrected vision.

MODEL	POWER	FOCAL LENGTH	EXTRA LENS PLATE
1000-2	1.5X	20"	RL-1000-2
*1000-3	1.75X	14"	RL-1000-3
*1000-5	2.25X	10"	RL-1000-5
1000-7	2.75X	7"	RL-1000-7
1000-10	3.5X	5"	RL-1000-10

ALL LENS PLATES INTERCHANGEABLE

*Most popular models
Individually boxed. Wt. 4 ounces

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.



NO. 931 One-Piece PLASTIC GOGGLE

For Eye Protection when sawing, sanding, grinding, spraying — and from flying particles such as dust, etc. A one-piece, non-shatterable, non-fogging flexible plastic goggle that can also be worn with regular prescription glasses. A moderately priced best-seller safety goggle. Light Weight — only 1 ounce.

NO. 931 Individually boxed, Packed 12 to a carton, Weight 2½ lbs.

NO. 931-PB Individually carded, Packed 12 to a carton, Weight 2½ lbs.



NO. 933 TILTING FACE SHIELDS with Aluminum Edge Visor

Light Weight - Tilting Visor - Vinyl Sweat Band. Face Shields offer protection in sanding, buffing, light grinding, welding, etc. Simple yet sturdy construction, and quickly adjusted for comfortable wear.

Plastic window visors are made in 6" and 8" heights, are flame-resistant and reinforced with an aluminum edging to hold their shape. They are easily replaced when necessary. Vinyl Sponge sweat-band is easily removed for washing.

MADE IN 2 SIZES

NO. 933-6 Face Shield with 6" window
Individually boxed, Weight 9 oz.

NO. 933-8 Face Shield with 8" window
Individually boxed, Weight 12 oz.

NO. RV-933-6 6" Replacement Visor, Packed 6 to an envelope, 8 oz.

NO. RV-933-8 8" Replacement Visor, Packed 6 to an envelope, 9 oz.



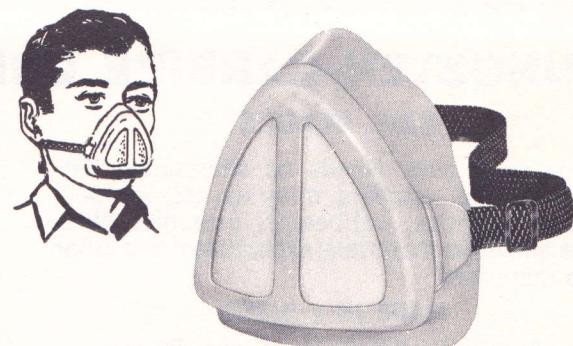
NO. 932 Soft-Flex PLASTIC GOGGLE

Has a soft flexible Vinyl plastic frame with large one-piece clear plastic lens for full view. Comfortably moulds to contour of face, protecting eyes from dust, spray, fumes, etc. May be worn with or without prescription glasses. Lens easily replaced. Perforations prevent fogging. Has an adjustable elastic head band. Weighs only 2 ounces.

NO. 932 Individually boxed, Packed 6 to a carton. Weight 2 lbs.

NO. 932-PB Individually carded, Packed 6 to a carton, Weight 2 lbs.

NO. RL-932 Replacement Lens for No. 932 Goggles. Packed 6 to a box. Weight 4 oz.



NO. 935 FLEXIBLE FILTER MASK for Home — Factory — Farm — Garden

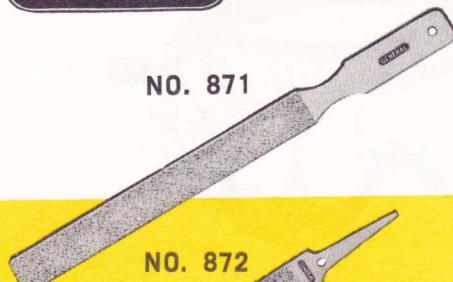
Protects against dust, pollen, paint and other non-toxic sprays and fumes. Easy breathing Latex filter can be worn with glasses or goggles. Latex filter easily cleaned or replaced. Double frame keeps filter in place. Adjustable elastic web head bands.

NO. 935-PB Individually carded, Packed 6 to a carton. Weight 12 oz.

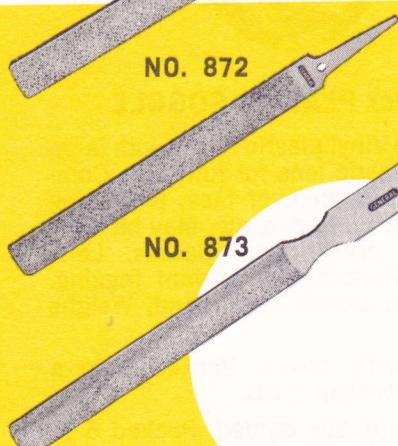
NO. 935 Individually boxed. Packed 6 to a carton. Weight 12 oz.

NO. RF-935 Replacement filters (package of 2). Packed 6 pair to a box.

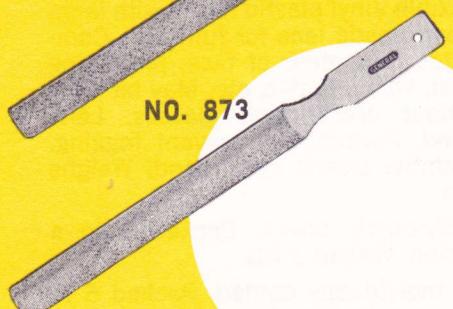
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MANUFACTURING CO. INC.
NEW YORK, N. Y. 10013, U.S.A.



NO. 871



NO. 872



NO. 873



TUNGSTEN-CARBIDE GRIT FILES and RASPS

Cuts faster in both forward and backward strokes — also sideways or in a rotary motion. Lasts longer because of diamond-like hardness. Easy to clean with solvents or wire brush.

For filing, rasping, shaping or sanding of wood, plastic, wallboards, fibreglass, composition materials, soft metals, and in fact most materials except Steel and other hard materials.

NO. 871 14 x 1" Utility File and Rasp. 46 Grit (coarse) on one side and edge; 80 Grit (medium) on other side and edge. Individually Carded. Packed 4 to a box, Weight 2 3/4 lbs.

NO. 872 12 x 1" Tang Handle File and Rasp. 46 Grit (coarse) on one side and edge; 80 Grit (medium) on other side and edge. Individually carded, Packed 4 to a box, Weight 2 1/4 lbs.

NO. 873 14 x 1" Contour File and Rasp. 46 Grit (coarse) on one side only. For hard-to-get-at corners, curved or grooved surfaces. Packed 4 to a box. Weight 2 3/4 lbs.

NO. AS-874-3 Assortment of one each of No. 871, 872 and 873. Individually carded. Packed 1 assortment to box. Weight 2 lbs.

TUNGSTEN-CARBIDE GRIT SAW and SANDER BLADES

SAW BLADES

Sands as it cuts. Needs no sharpening. For safely cutting, notching, mitering, etc. in wood, veneers, plastics, wallboards, masonite fibreglass and other materials, except steel and other hard materials.

MADE IN 2 SIZES

NO. 875-6 1/2 6 1/2" T/C Saw Blade, 36 grit. Individually packed, Weight 1 lb.

NO. 875-8 8" T/C Saw Blade. 36 grit. Individually packed. Weight 1 1/2 lbs. (Blades have 5/8" Arbor Hole with 1/2" reducing bushing.)



DADOES

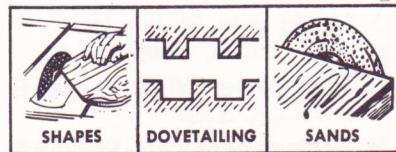
SAW and SANDER BLADES for Table, Radial and Portable Saws

Saws - Shapes - Dadoes - Sands - Ploughs - Notches. Safer to work with. Cuts sanding time in half. Eliminates frequent replacing of sandpaper. Easy cleaning, with brush or solvent.

MADE IN TWO SIZES

NO. 876-8 8" T/C Saw and Sander Blade. Has 36 Grit (coarse) on one side and edge, 80 Grit (medium) on other side. Individually packed. Weight 1 1/2 lbs.

NO. 876-10 10" T/C Saw and Sander Blade. Has 36 Grit (coarse) on one side and edge, 80 Grit (medium) on other side. Individually packed. Weight 2 1/2 lbs. (Blades have a 5/8" Arbor Hole with a 1/2" Reducing Bushing)



SHAPES

DOVETAILING

SANDS

TUNGSTEN-CARBIDE IS THE HARDEST KNOWN MAN-MADE MATERIAL

NO. 883 TUNGSTEN-CARBIDE GRIT SANDING DISCS

For all Power Sanders and Electric Drill Attachments. Outlasts sandpaper many times and eliminates constant changing of torn sheets. For easy sanding of wood, plaster, composition wallboards, and other materials — but no hard metals.

MADE IN 3 SIZES

- NO. 883-4F** 4 inch Fine (150 grit)
- NO. 883-4M** 4 inch Medium (120 grit)
- NO. 883-4C** 4 inch Coarse (80 grit)

- NO. 883-5F** 5 inch Fine (150 grit)
- NO. 883-5M** 5 inch Medium (120 grit)
- NO. 883-5C** 5 inch Coarse (80 grit)

- NO. 883-6F** 6 inch Fine (150 grit)
- NO. 883-6M** 6 inch Medium (120 grit)
- NO. 883-6C** 6 inch Coarse (80 grit)

Individually enveloped.

Packed 4 to a box. Weight 6 ounces.



NO. 884 TUNGSTEN-CARBIDE SANDING SHEETS

For all Power, Orbital or Oscillating Sanders
Easier - Faster - Longer Life

Tungsten-Carbide Grit fused to steel assures longer life. Eliminates constant changing of worn or torn sandpaper. Ideal for fast and smooth sanding of wood floors, stairs, panels, walls, etc. Easily attached — easily cleaned. Outlasts dozens of sandpaper sheets.

- NO. 884-F** 3 $\frac{5}{8}$ " by 9 $\frac{1}{4}$ " Fine (150 grit)
- NO. 884-M** 3 $\frac{5}{8}$ " by 9 $\frac{1}{4}$ " Medium (120 grit)
- NO. 884-C** 3 $\frac{5}{8}$ " by 9 $\frac{1}{4}$ " Coarse (80 grit)

Individually enveloped. Packed 4 to a box. Weight 8 ounces. 3 $\frac{5}{8}$ " x 9 $\frac{1}{4}$ " size fits most sanders: may be cut to fit smaller sizes.



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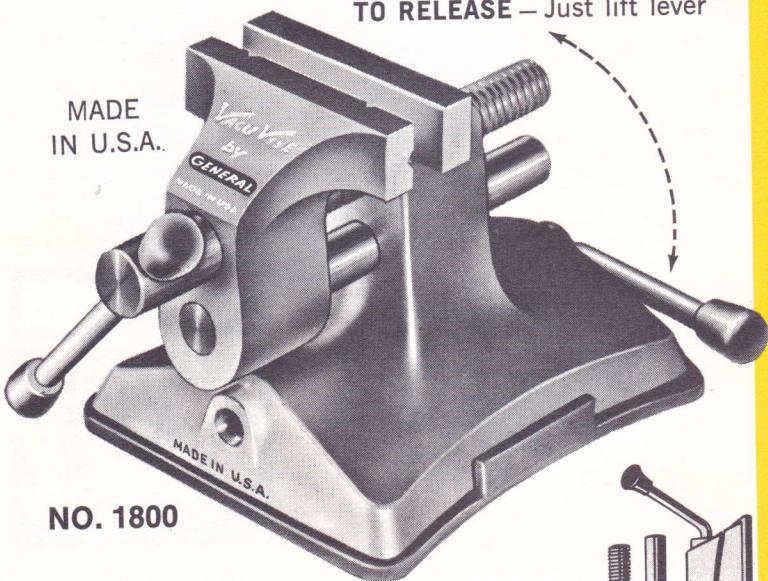
GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

GENERAL®

PORTABLE VACU-VISE

NO SCREWS! NO CLAMPS!

MADE
IN U.S.A.



NO. 1800

ATTACHES INSTANTLY WITH "SUPER-VACUUM" POWER!

IT'S PORTABLE — holds firmly in any position . . . to almost any smooth surface . . . metal, glass, porcelain, linoleum, formica, etc.

For the workshop, garage, boat or home. Take it directly to the job . . . attaches instantly and holds securely to any smooth, non-porous surface . . . easy to store in tool chest, locker, closet when not in use.

A must for all service men, electricians, hobbyists, mechanics and do-it-yourselfers. Sturdily constructed casting with 2½" V-groove steel jaws which open to 2". Base size 5" wide, 4" deep and 4" high.

NO. 1800 VACU-VISE HAMMERTONE FINISH

NO. 1810 VACU-VISE CHROME PLATED

Individually packed in reshippable display container. Weight 3 lbs. Packed 12 to a carton.

NO. RP-1815 Replaceable Rubber Pad for No. 1800 and 1810

NO. RJ-1816
SLIDE-ON RUBBER JAWS
for fragile or delicate parts



NO. RJ-1816

SLIDE-ON RUBBER JAWS

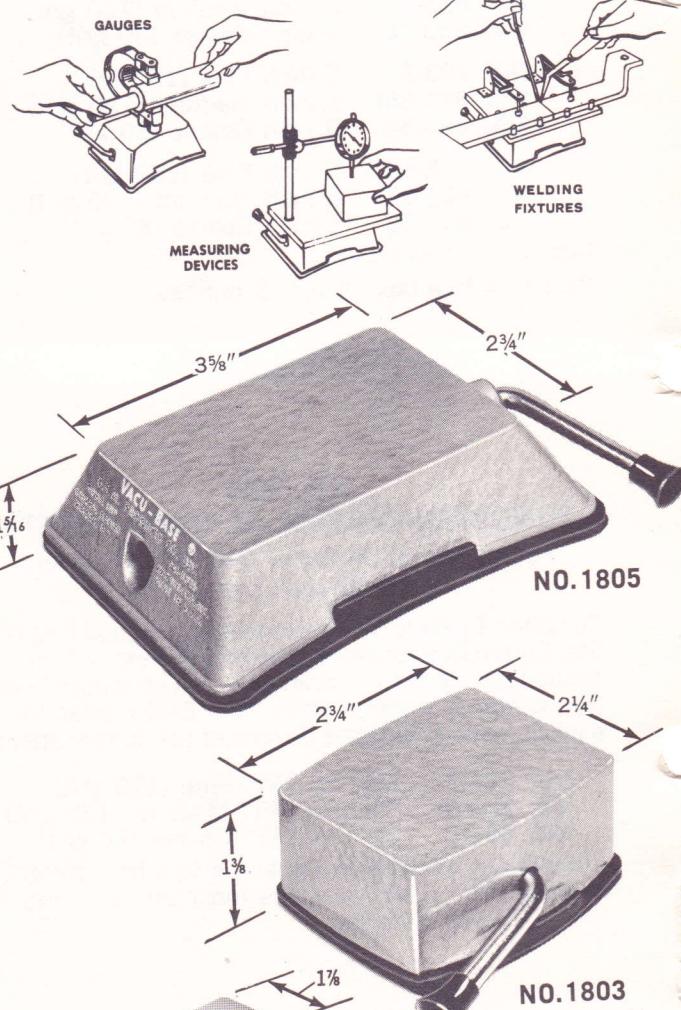
for fragile or delicate parts

MULTI-USE VACU-BASES

Portable Vacu-Bases that hold fast and firm by vacuum and give complete portability to fixtures, instruments or appliances that can be fastened by means of threaded or bolted screws.

NO. 1805 — 3½" wide x 2¾" deep x 1½" high

NO. 1803 — 2¾" wide x 2¼" deep x 1¾" high

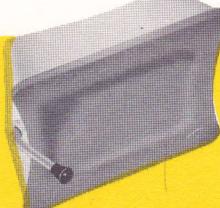


NO. 1805

NO. 1803

MADE IN U.S.A.

Pat. No. 3,159,370
and other Pat. Pend.



GENERAL® **MULTI-ANGLE SWIVEL-ACTION
PORTABLE VACU-VISE**

NO SCREWS! NO CLAMPS!



TO ATTACH — apply slight pressure to top of VISE and push lever down.
TO RELEASE — just lift lever

NO. 1850

- SWIVELS 360° to any position
- TILTS 90° to desired angle
- 3" METAL JAWS open to 2 $\frac{5}{8}$ inches
- Equipped with SLIDE-ON RUBBER JAWS for fragile work

For industry, laboratories, schools, shops. Excellent for Electronic, Jewelry, Optical, Instrument and many other industries. Ideal for drilling, filing, soldering and assembling.

**IT'S PORTABLE! HOLDS FIRMLY IN ANY POSITION
TO ANY SMOOTH NON-POROUS SURFACE — METAL,
GLASS, FORMICA**

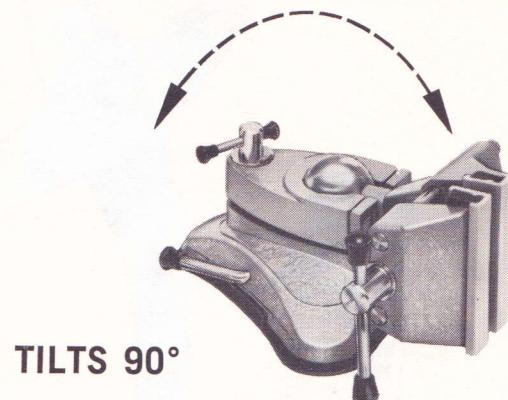
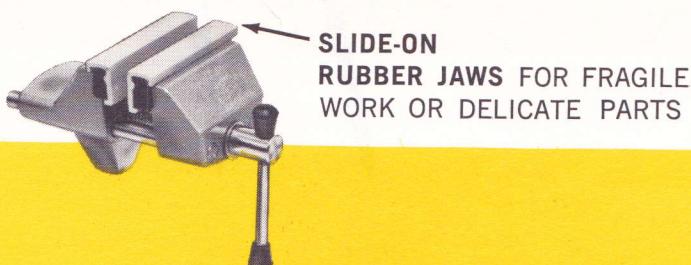
Base Size — 6 $\frac{1}{4}$ " triangular

Overall Height — 6 $\frac{1}{4}$ "

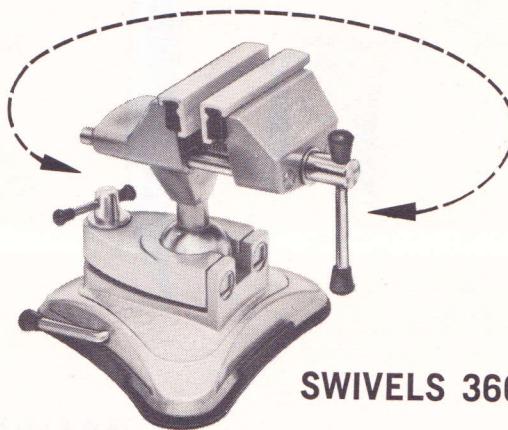
Vise Size — 3" wide — jaws open to 2 $\frac{5}{8}$ "

No. 1850 SWIVEL VACU-VISE — Hammertone Finish
Individually boxed. Weight 5 lbs.

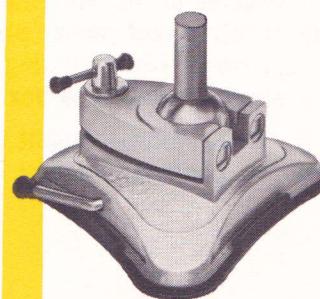
Packed 6 to a carton. Weight 30 lbs.



TILTS 90°



SWIVELS 360°



**MULTI-ANGLE
SWIVEL
WORK
POSITIONING
VACU-BASE**

No. 1855 Individually boxed. Weight 2 lbs.
Packed 6 to a carton. Weight 12 lbs.

MADE IN U.S.A.
Patented and Patent Pending

GENERAL HARDWARE MANUFACTURING CO. INC. NEW YORK, N. Y. 10013, U.S.A.

GENERAL®

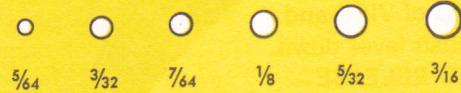


No. 72

REVOLVING PUNCH PLIER

A handy spring tension, self-opening tool for punching round holes in leather, plastics, rubber, canvas, cardboard and similar material. Made of steel, nickel plated with 6 tapered, non-clogging hardened steel punches in the following sizes: $\frac{5}{64}$, $\frac{3}{32}$, $\frac{7}{64}$, $\frac{1}{8}$, $\frac{5}{32}$ and $\frac{3}{16}$ inches.

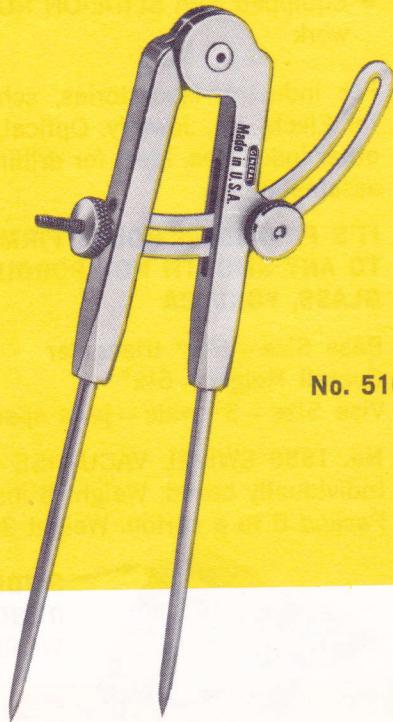
No. 72 Individually carded. 9" long. Wt. 9 oz. Packed 6 to a box. Weight 3½ lbs.



WING DIVIDERS

Used for scribing, picking up measurements and transferring dimensions to the work. Cast body, hardened steel legs, fully polished and nickel plated. Tempered spring for fine adjustment while holding legs firmly. Made in 2 sizes. Packed 3 to box.

No. 510-6 6" opening — Weight 6 oz.
No. 510-8 8" opening — Weight 7 oz.

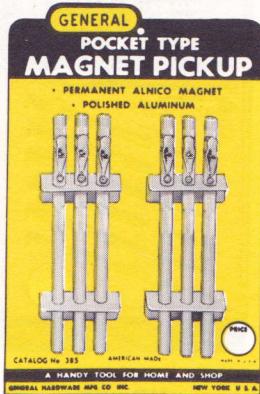


No. 510

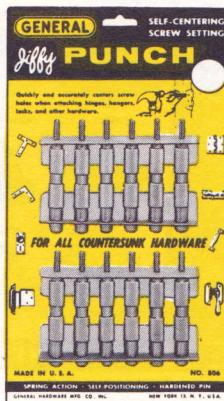
SELL MORE TOOLS WITH GENERAL® DISPLAYS!



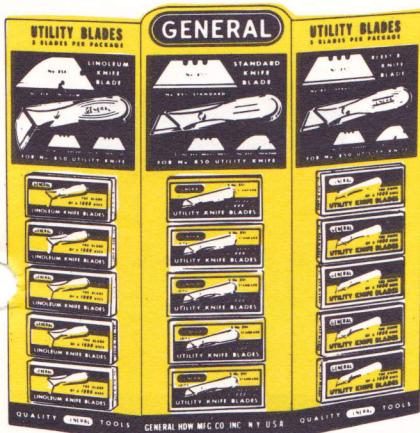
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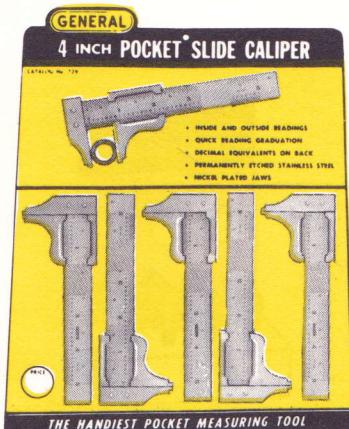
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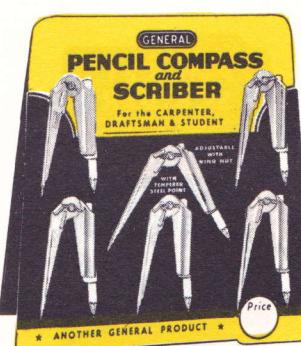
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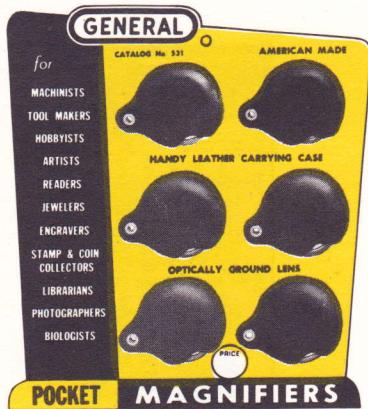


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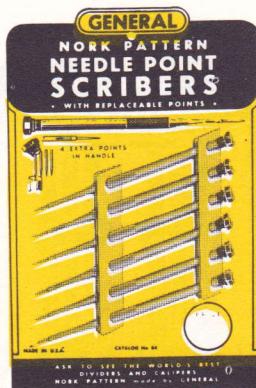


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GENERAL[®] QUALITY TOOLS MODERATELY PRICED



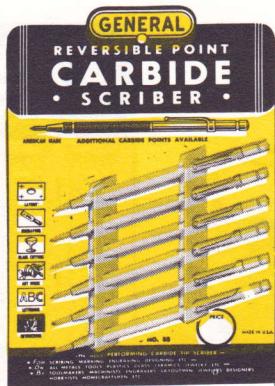
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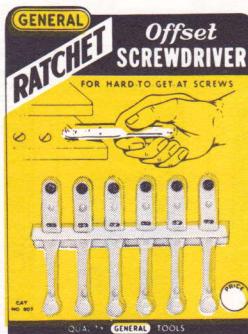
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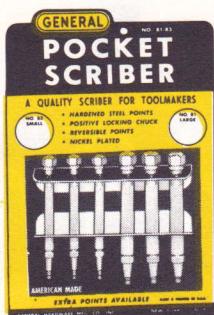
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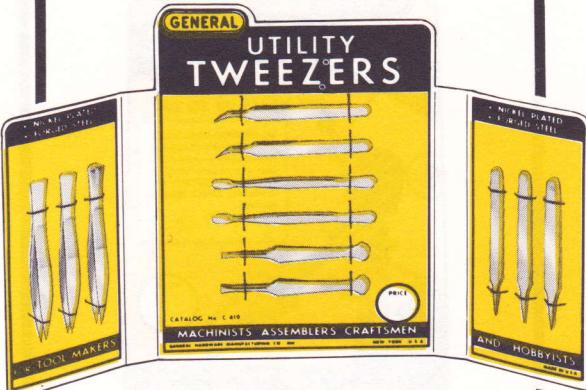
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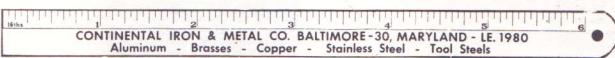
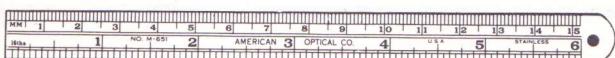
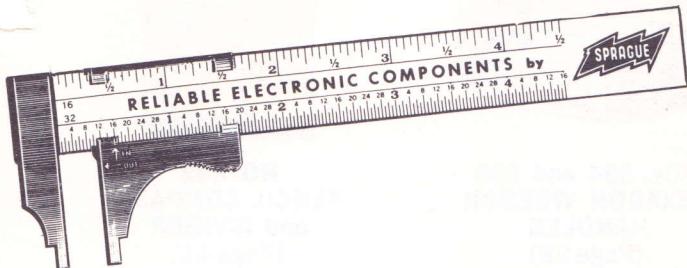


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Keep them at the fingertips of your customers and prospects. GENERAL TOOLS individualized with your name or slogan, will give many years of continuous low cost advertising. These well-known American Made GENERAL TOOLS are of excellent quality, yet moderate in cost.

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STEEL
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NEPCO

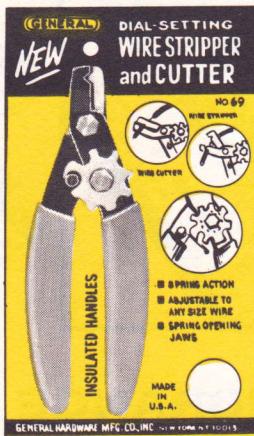
POLMAR

NEPCO

REFERENCE TABLE

SIZE	DECIMAL	THREADED	THREADED	THREADED
1/16	0.0625	1/16	1/16	1/16
1/8	0.125	1/8	1/8	1/8
5/32	0.15625	5/32	5/32	5/32
3/16	0.1875	3/16	3/16	3/16
7/32	0.21875	7/32	7/32	7/32
1/4	0.25	1/4	1/4	1/4
9/32	0.28125	9/32	9/32	9/32
5/16	0.3125	5/16	5/16	5/16
11/32	0.34375	11/32	11/32	11/32
3/8	0.375	3/8	3/8	3/8
13/32	0.40625	13/32	13/32	13/32
7/16	0.4375	7/16	7/16	7/16
15/32	0.46875	15/32	15/32	15/32
1/2	0.5	1/2	1/2	1/2
17/32	0.53125	17/32	17/32	17/32
9/16	0.5625	9/16	9/16	9/16
23/32	0.625	23/32	23/32	23/32
13/16	0.75	13/16	13/16	13/16
29/32	0.875	29/32	29/32	29/32
15/16	0.9375	15/16	15/16	15/16
31/32	1.0	31/32	31/32	31/32
17/16	1.0625	17/16	17/16	17/16
33/32	1.125	33/32	33/32	33/32
19/16	1.1875	19/16	19/16	19/16
39/32	1.25	39/32	39/32	39/32
23/16	1.3125	23/16	23/16	23/16
47/32	1.375	47/32	47/32	47/32
25/16	1.4375	25/16	25/16	25/16
51/32	1.5	51/32	51/32	51/32
27/16	1.5625	27/16	27/16	27/16
55/32	1.625	55/32	55/32	55/32
29/16	1.6875	29/16	29/16	29/16
59/32	1.75	59/32	59/32	59/32
31/16	1.8125	31/16	31/16	31/16
61/32	1.875	61/32	61/32	61/32
33/16	1.9375	33/16	33/16	33/16
63/32	2.0	63/32	63/32	63/32
35/16	2.0625	35/16	35/16	35/16
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37/16	2.1875	37/16	37/16	37/16
67/32	2.25	67/32	67/32	67/32
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69/32	2.375	69/32	69/32	69/32
41/16	2.4375	41/16	41/16	41/16
71/32	2.5	71/32	71/32	71/32
43/16	2.5625	43/16	43/16	43/16
73/32	2.625	73/32	73/32	73/32
45/16	2.6875	45/16	45/16	45/16
75/32	2.75	75/32	75/32	75/32
47/16	2.8125	47/16	47/16	47/16
77/32	2.875	77/32	77/32	77/32
49/16	2.9375	49/16	49/16	49/16
79/32	3.0	79/32	79/32	79/32
51/16	3.0625	51/16	51/16	51/16
81/32	3.125	81/32	81/32	81/32
53/16	3.1875	53/16	53/16	53/16
83/32	3.25	83/32	83/32	83/32
55/16	3.3125	55/16	55/16	55/16
85/32	3.375	85/32	85/32	85/32
57/16	3.4375	57/16	57/16	57/16
87/32	3.5	87/32	87/32	87/32
59/16	3.5625	59/16	59/16	59/16
89/32	3.625	89/32	89/32	89/32
61/16	3.6875	61/16	61/16	61/16
91/32	3.75	91/32	91/32	91/32
63/16	3.8125	63/16	63/16	63/16
93/32	3.875	93/32	93/32	93/32
65/16	3.9375	65/16	65/16	65/16
95/32	4.0	95/32	95/32	95/32
67/16	4.0625	67/16	67/16	67/16
97/32	4.125	97/32	97/32	97/32
69/16	4.1875	69/16	69/16	69/16
99/32	4.25	99/32	99/32	99/32
71/16	4.3125	71/16	71/16	71/16
101/32	4.375	101/32	101/32	101/32
73/16	4.4375	73/16	73/16	73/16
103/32	4.5	103/32	103/32	103/32
75/16	4.5625	75/16	75/16	75/16
105/32	4.625	105/32	105/32	105/32
77/16	4.6875	77/16	77/16	77/16
107/32	4.75	107/32	107/32	107/32
79/16	4.8125	79/16	79/16	79/16
109/32	4.875	109/32	109/32	109/32
81/16	4.9375	81/16	81/16	81/16
111/32	5.0	111/32	111/32	111/32

GENERAL[®] QUALITY TOOLS FOR THE MECHANIC
and HOME CRAFTSMAN



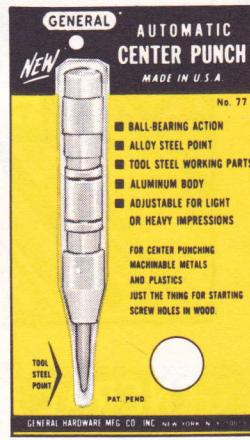
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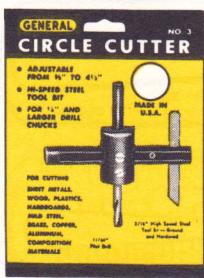
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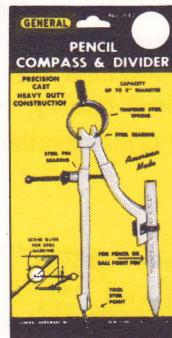
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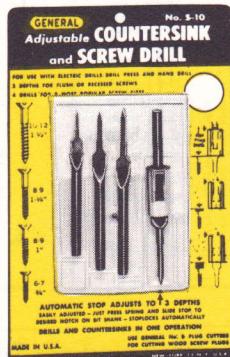
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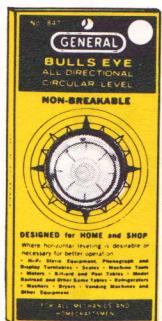
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GENERAL®



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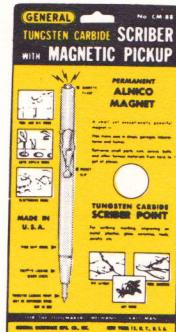
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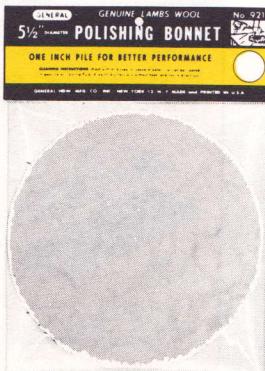
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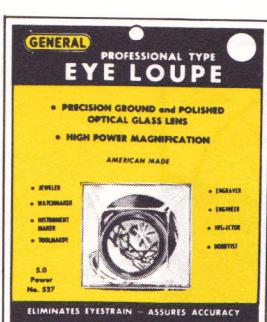
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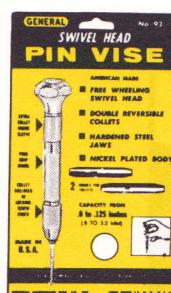
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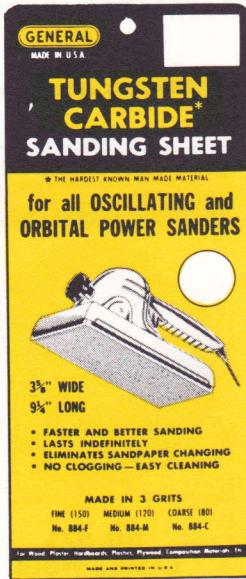


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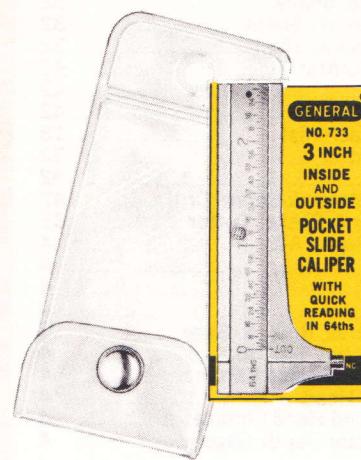
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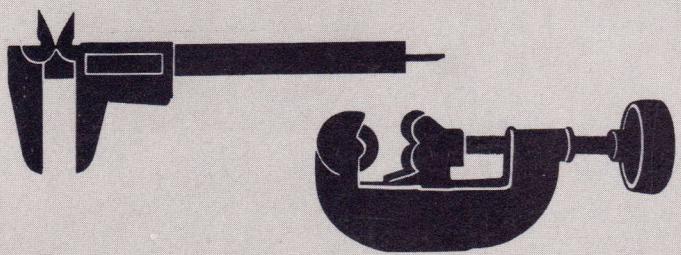
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